

FIG. 1a

103020 55555550

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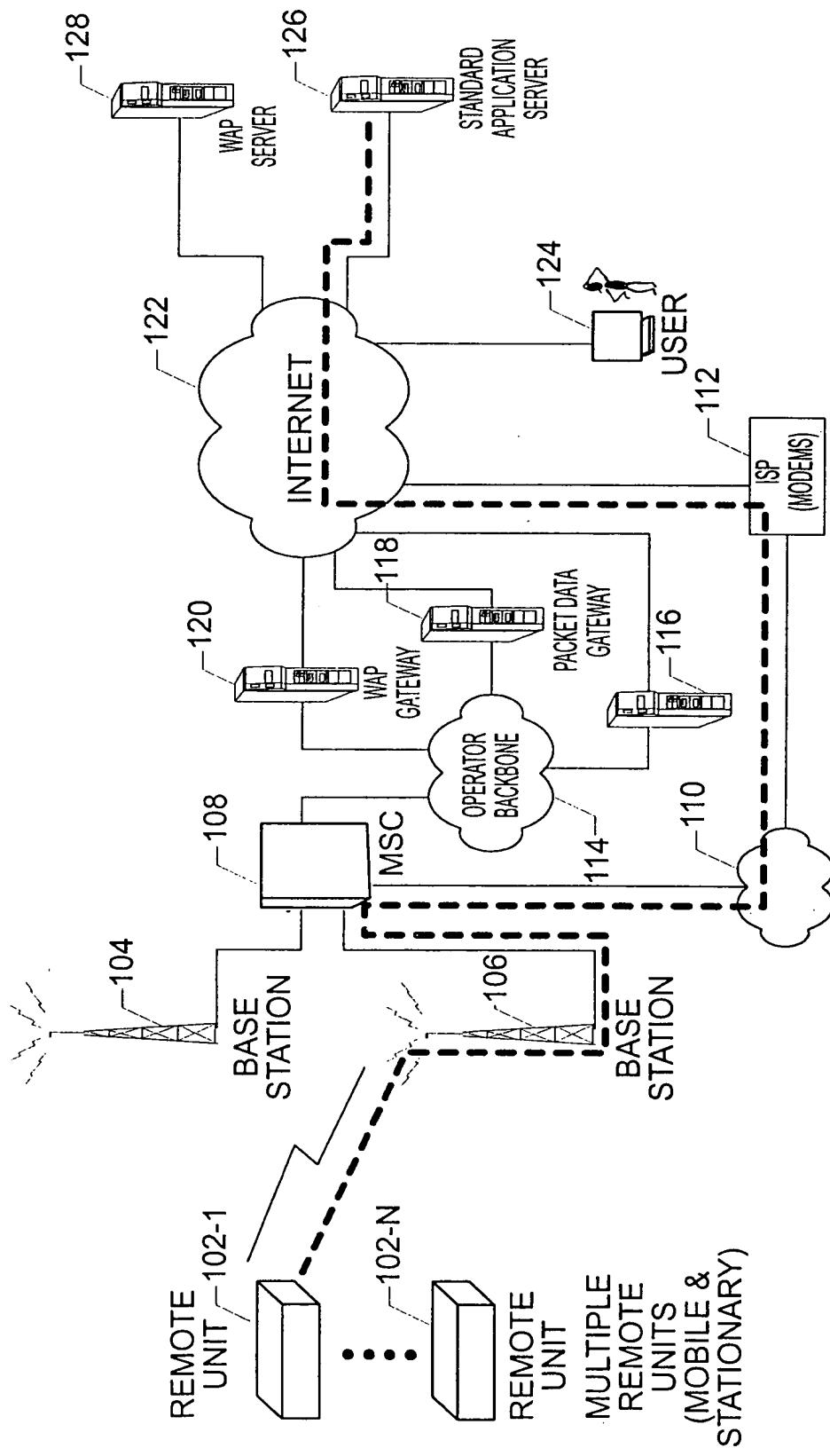


FIG. 1b

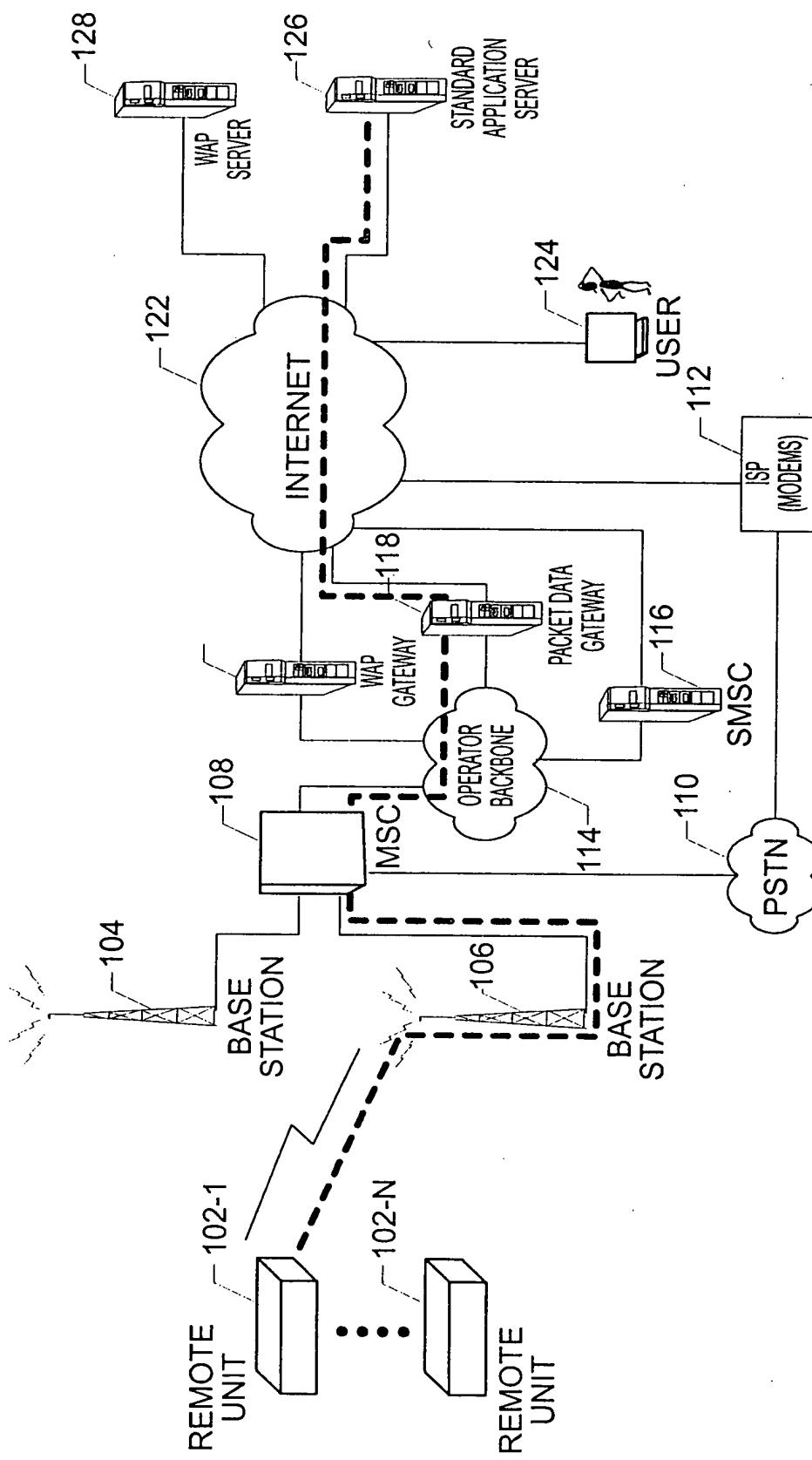


FIG. 1c

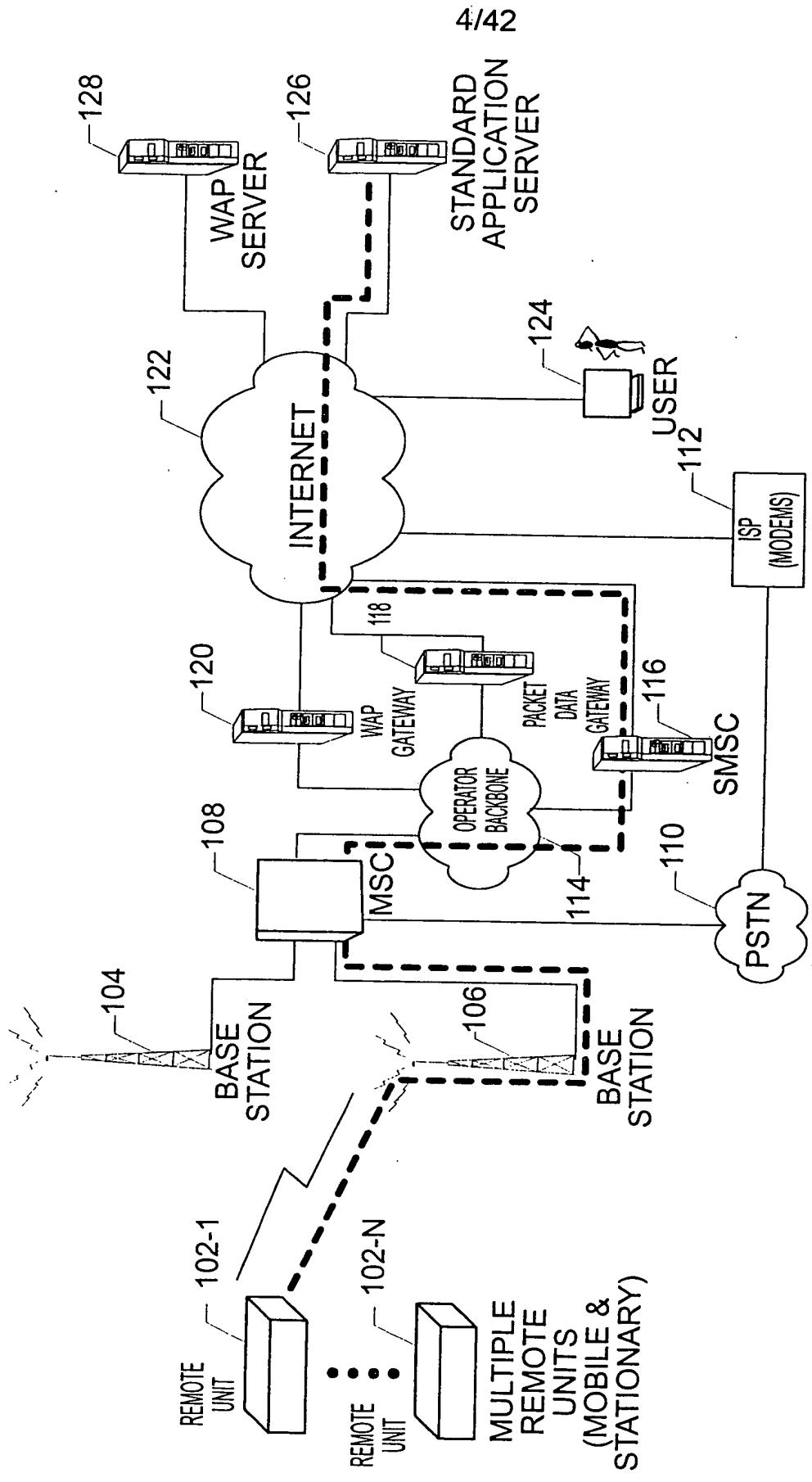


FIG. 1d

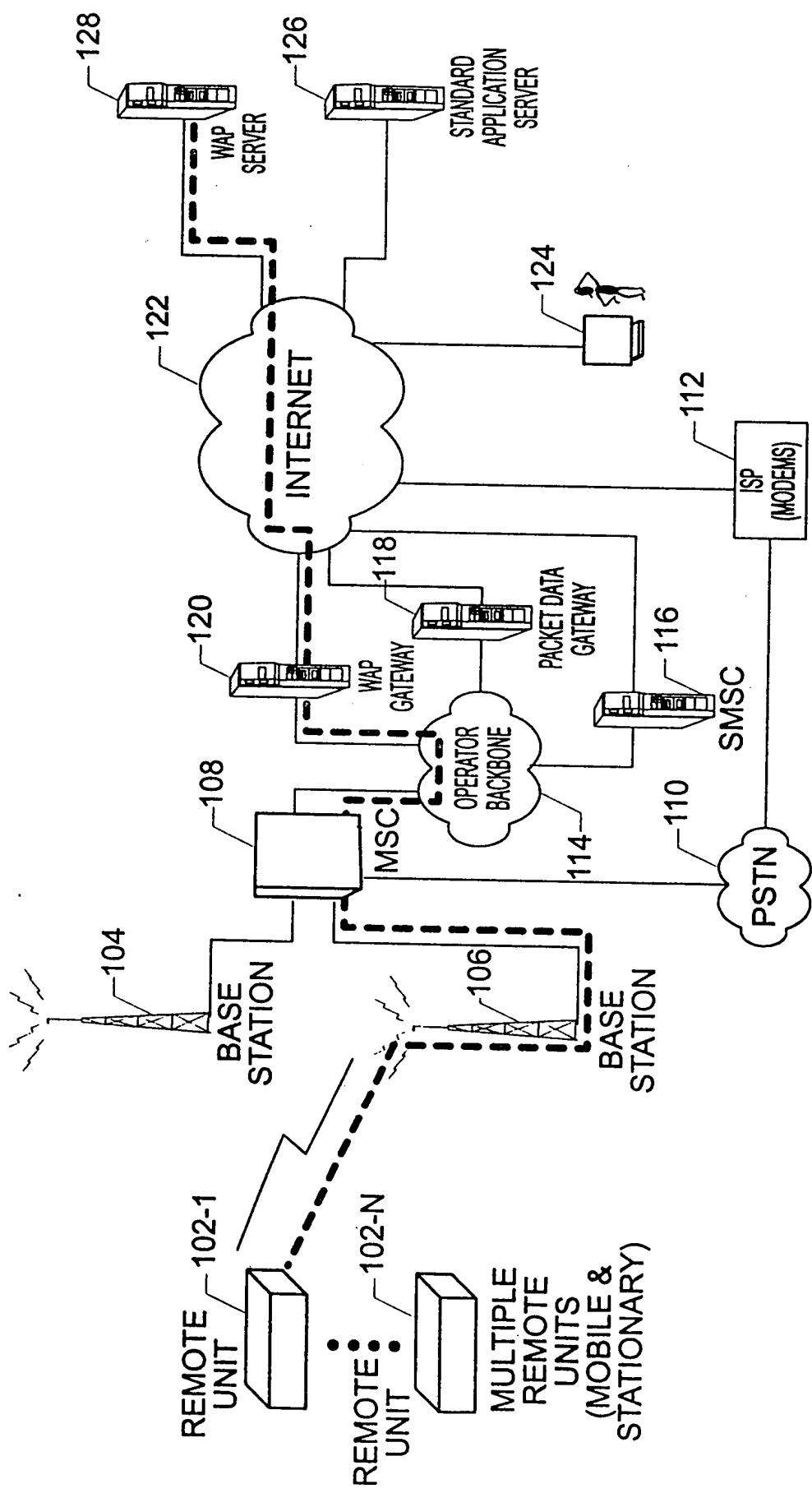


FIG. 1e

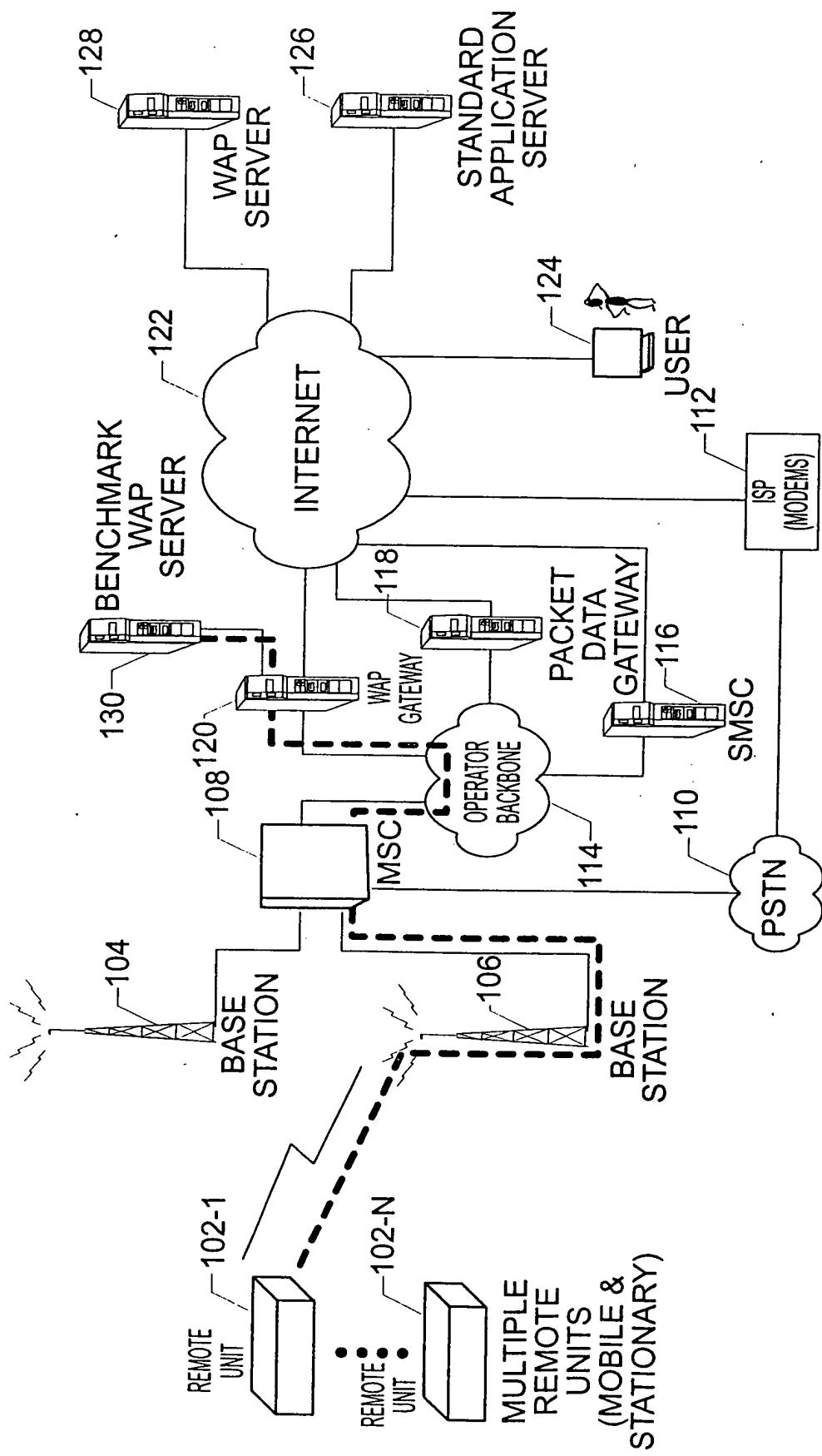


FIG. 1f

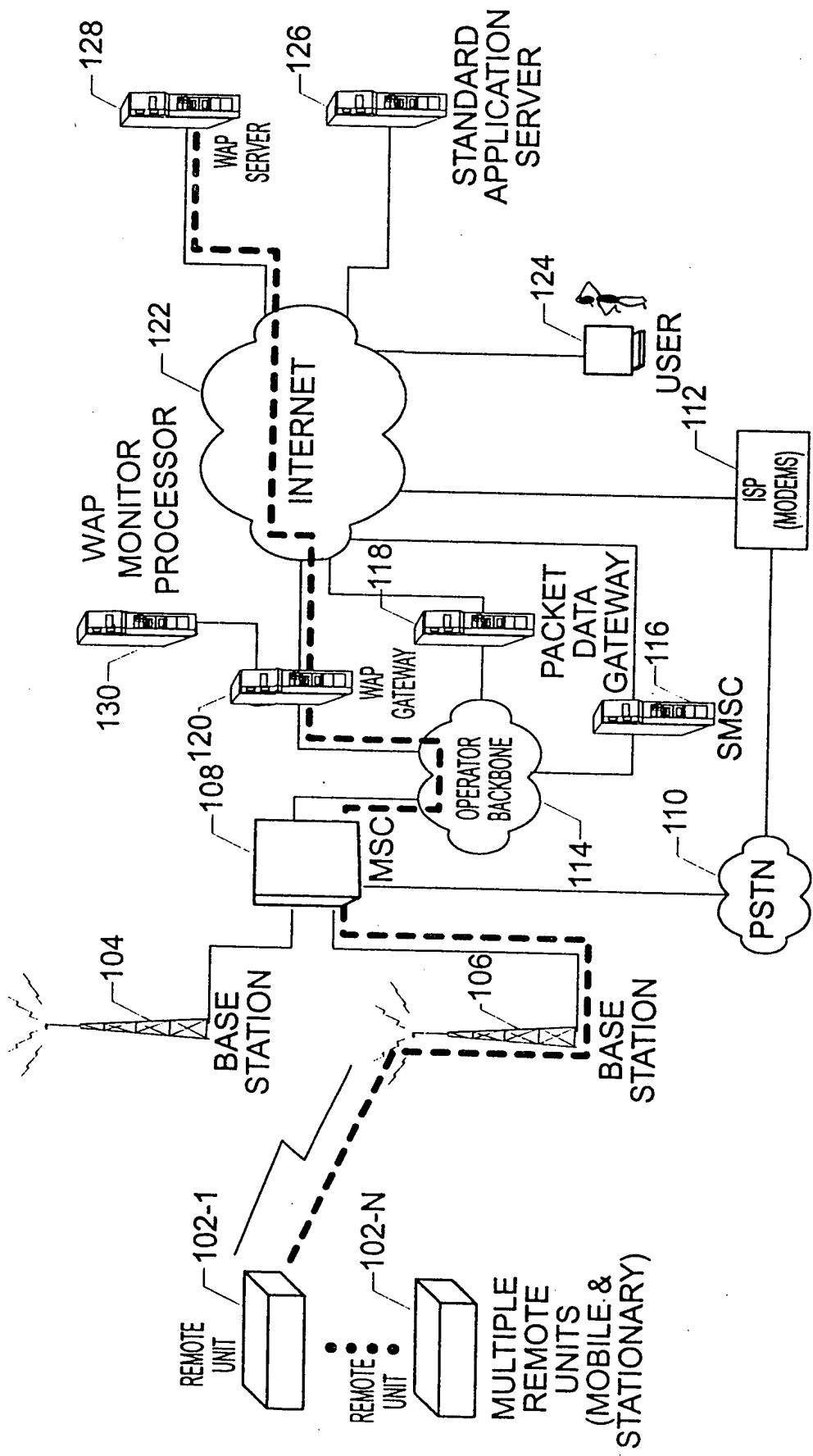
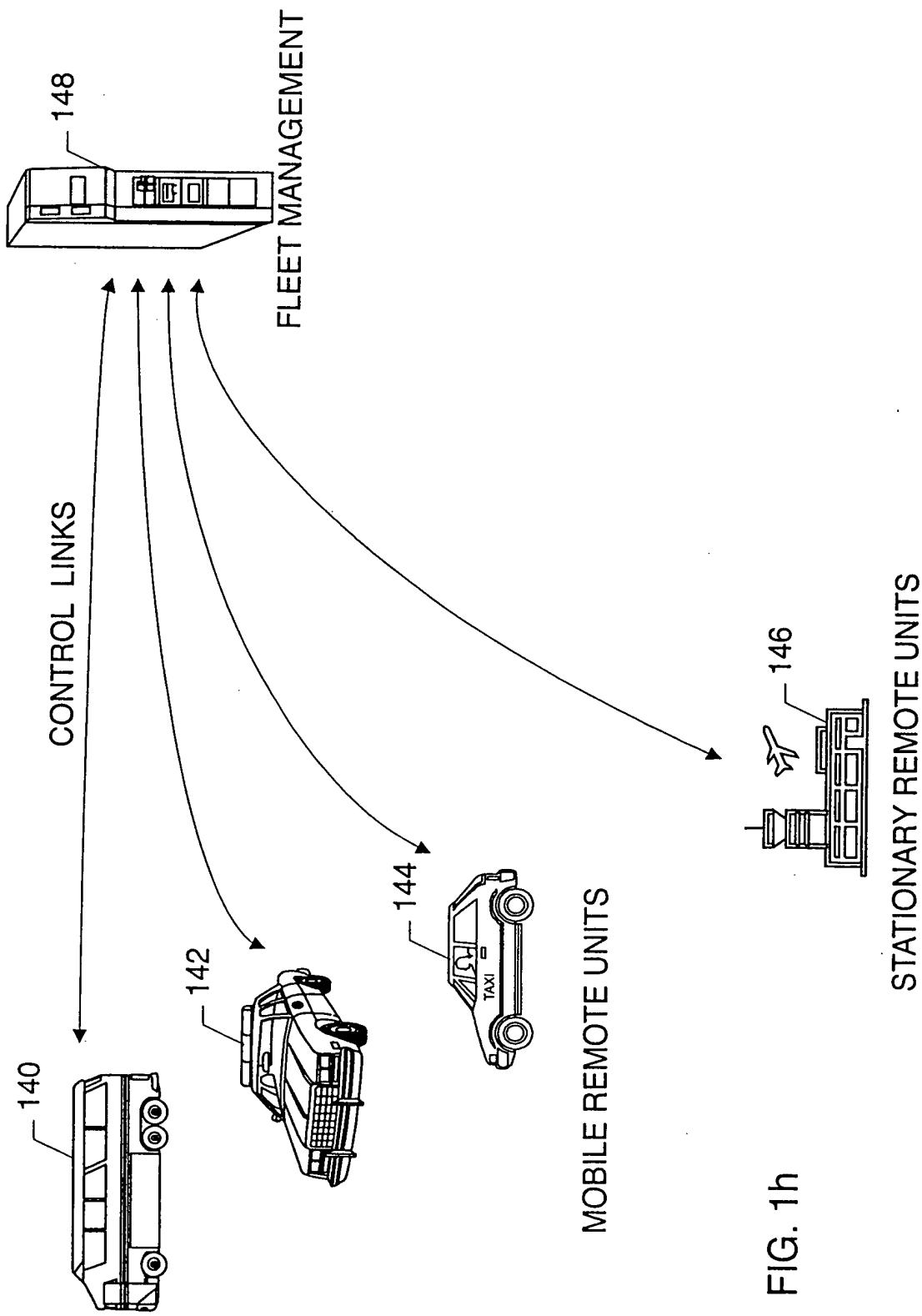
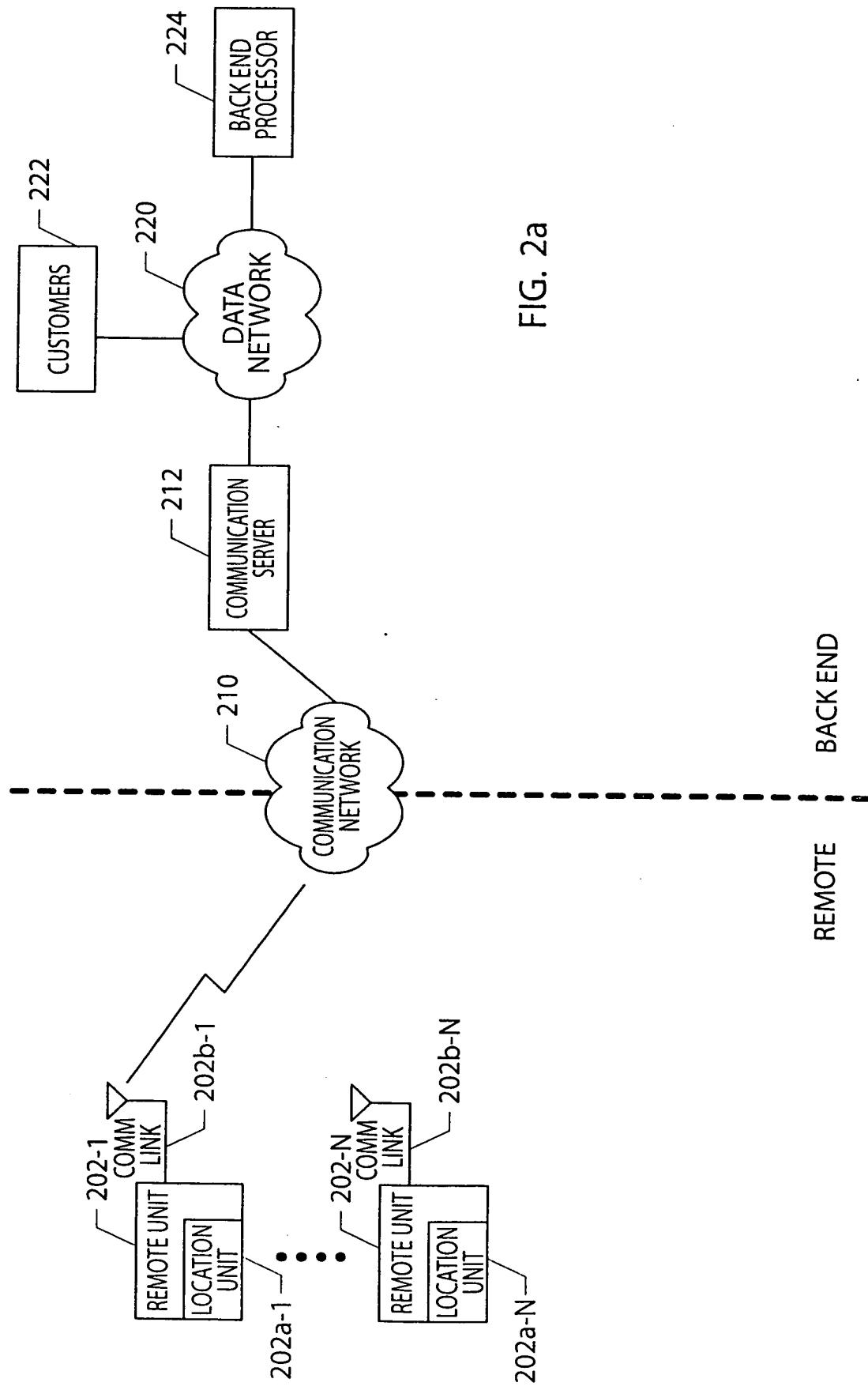
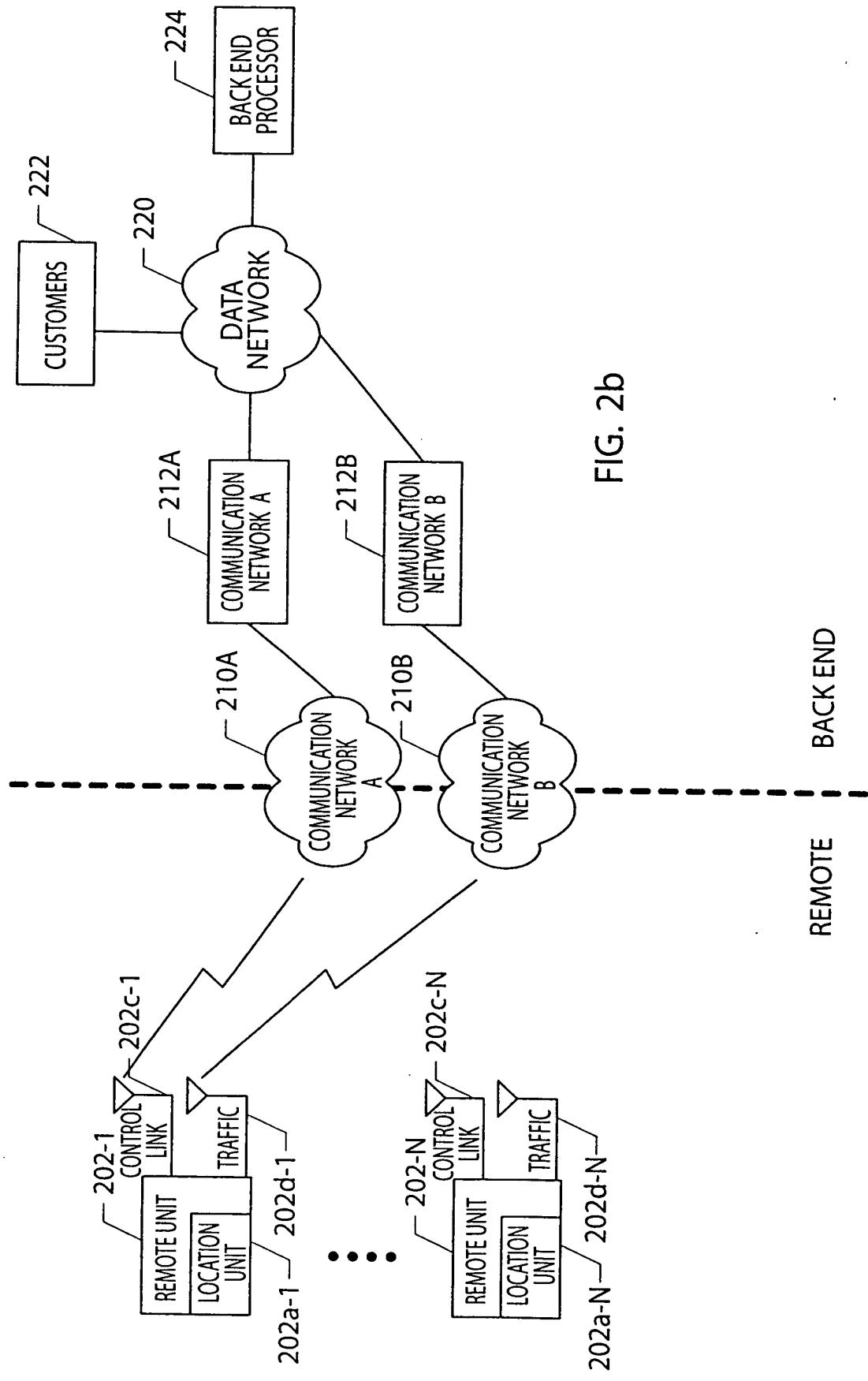
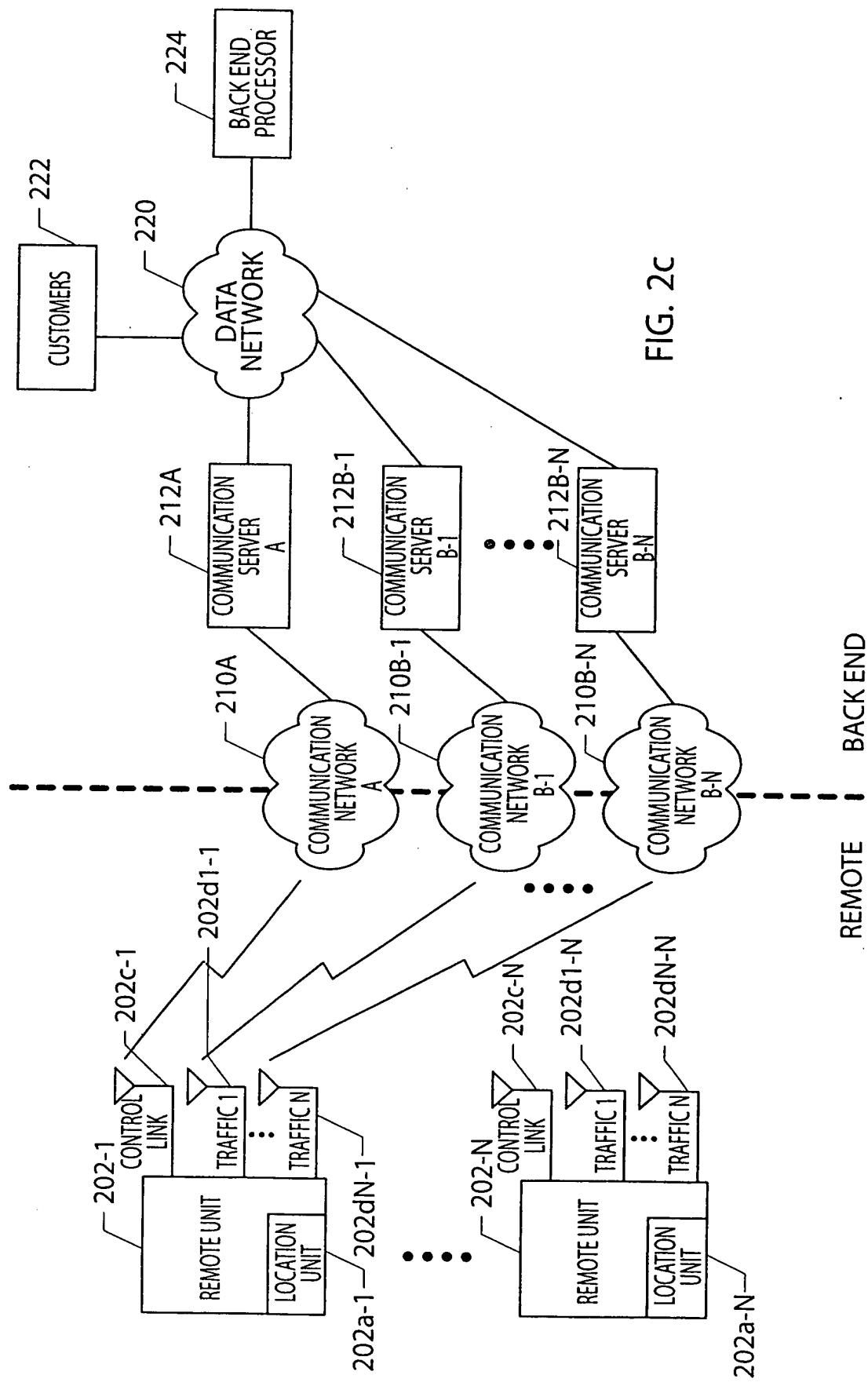


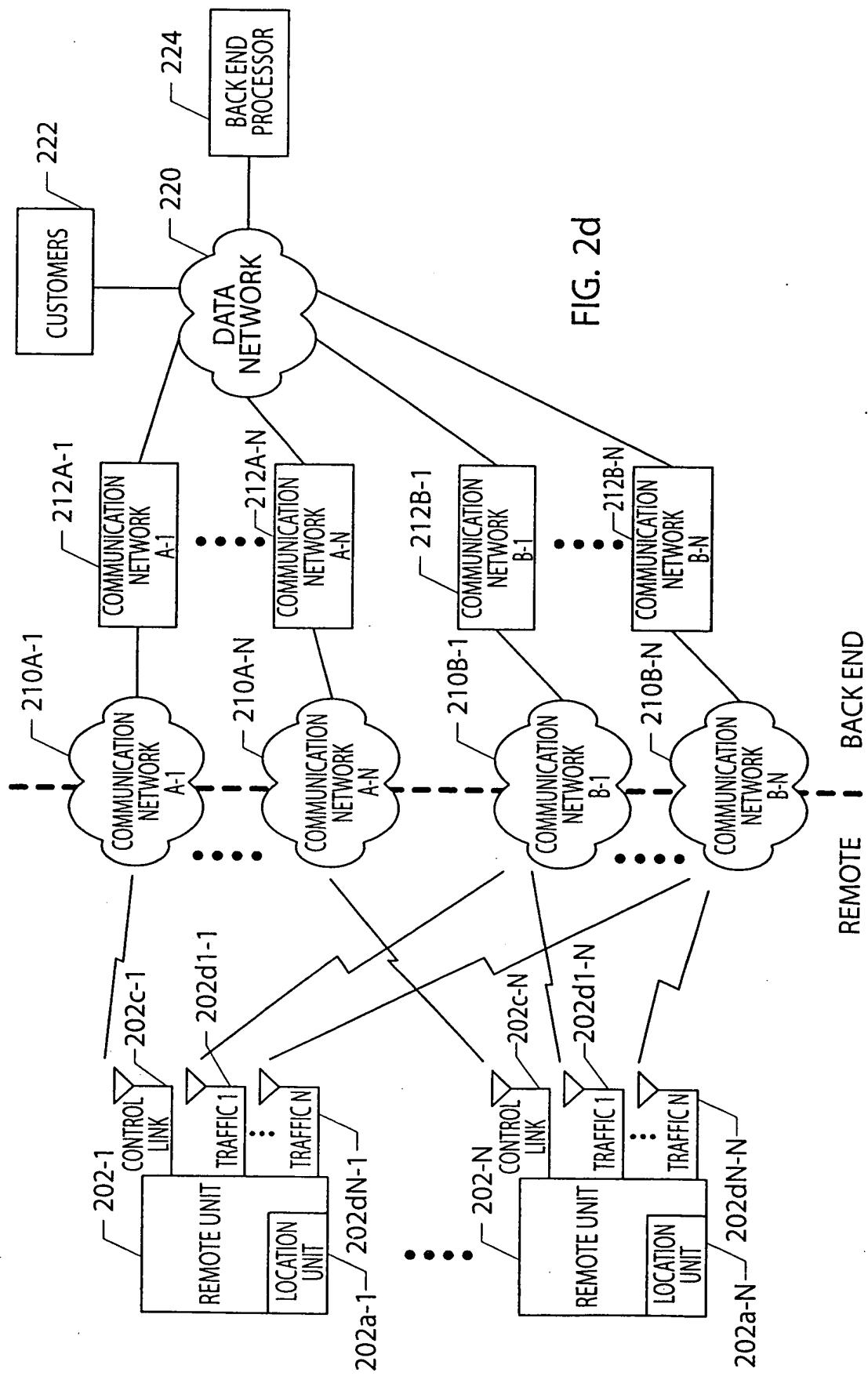
FIG. 1g











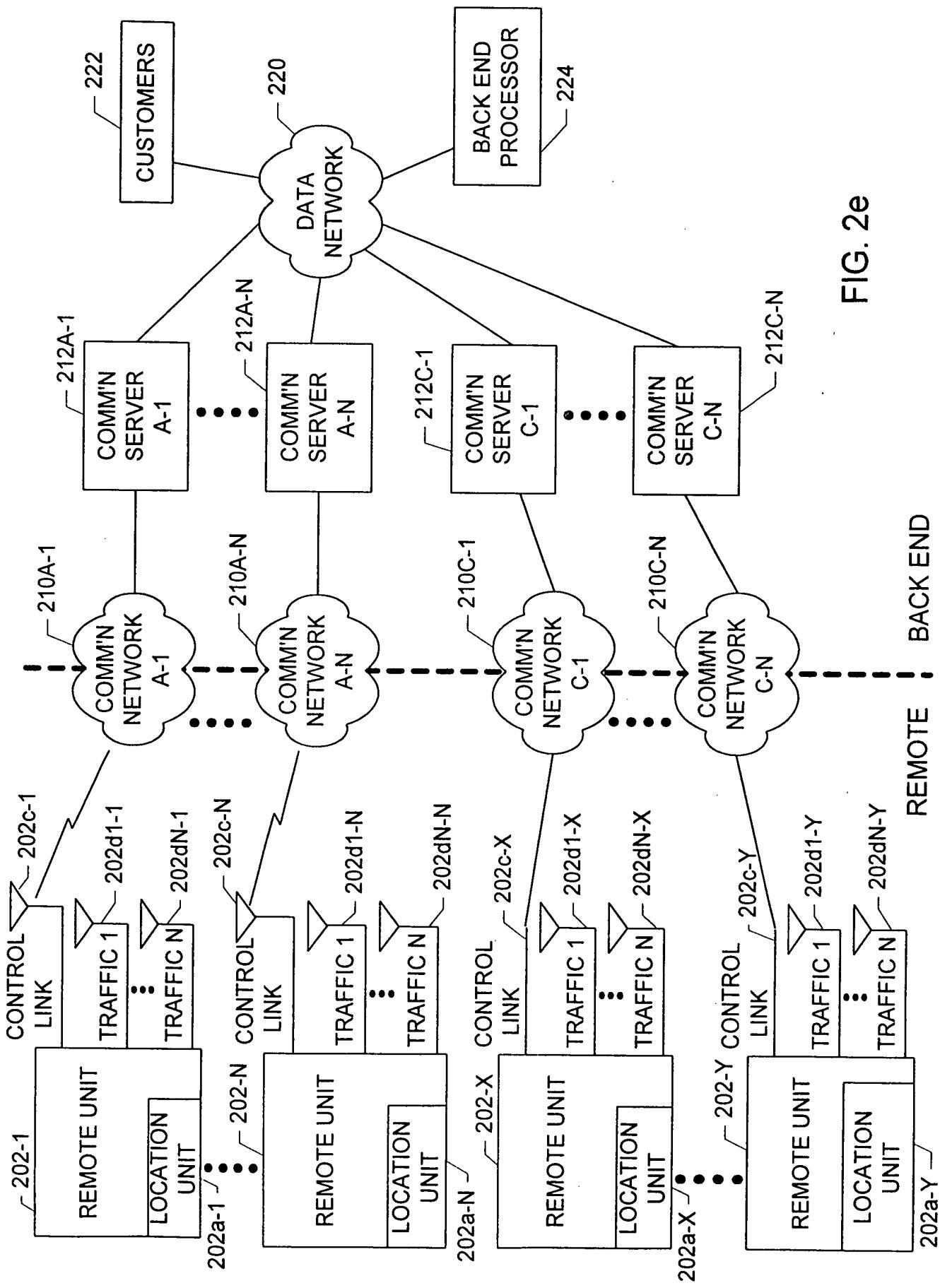


FIG. 2e

BACK END

REMOTE

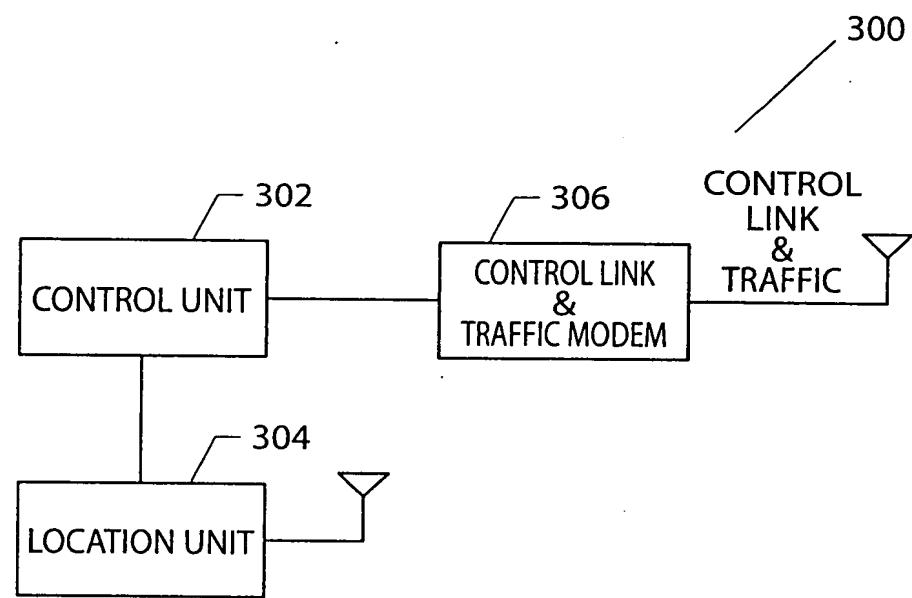


FIG. 3a

T09020 "55666360

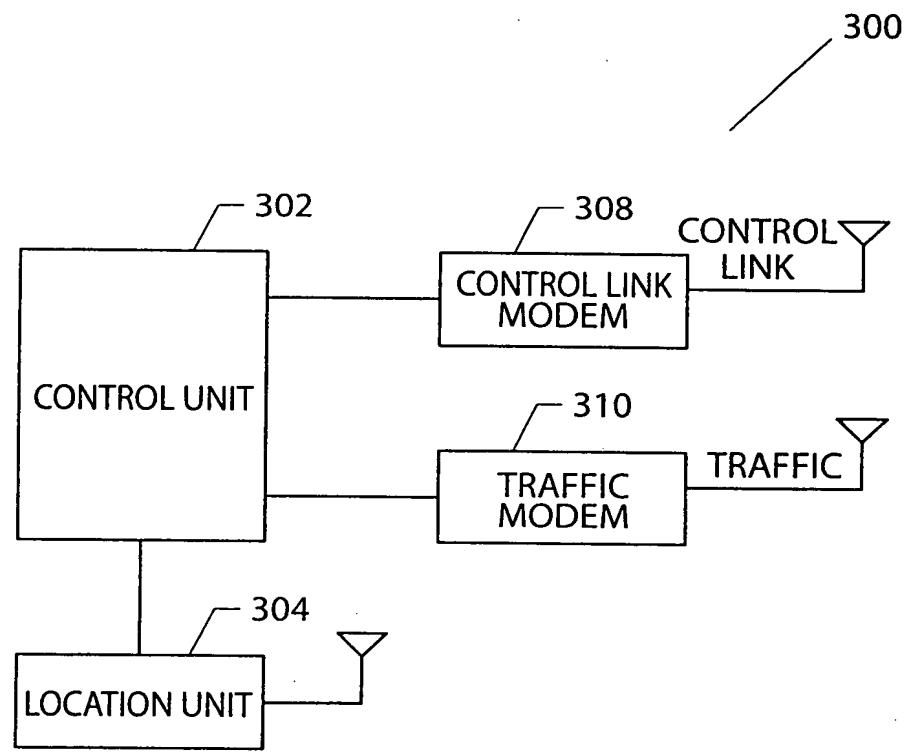


FIG. 3b

109020 " 556660

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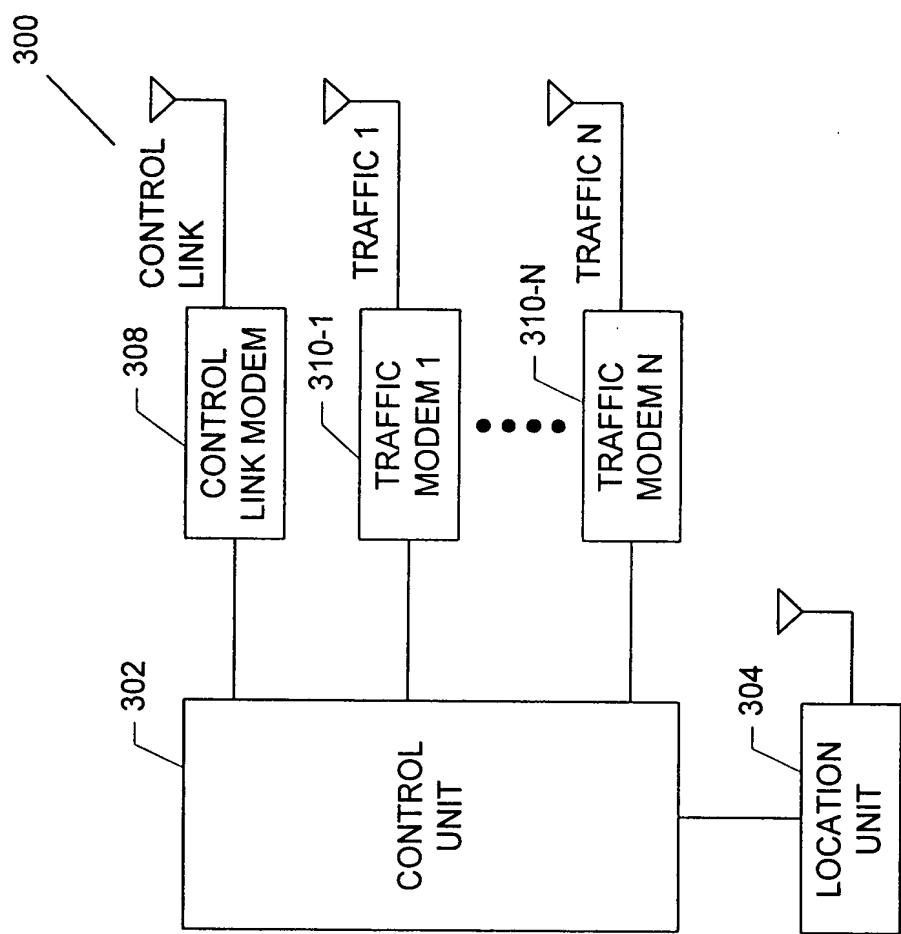


FIG. 3C

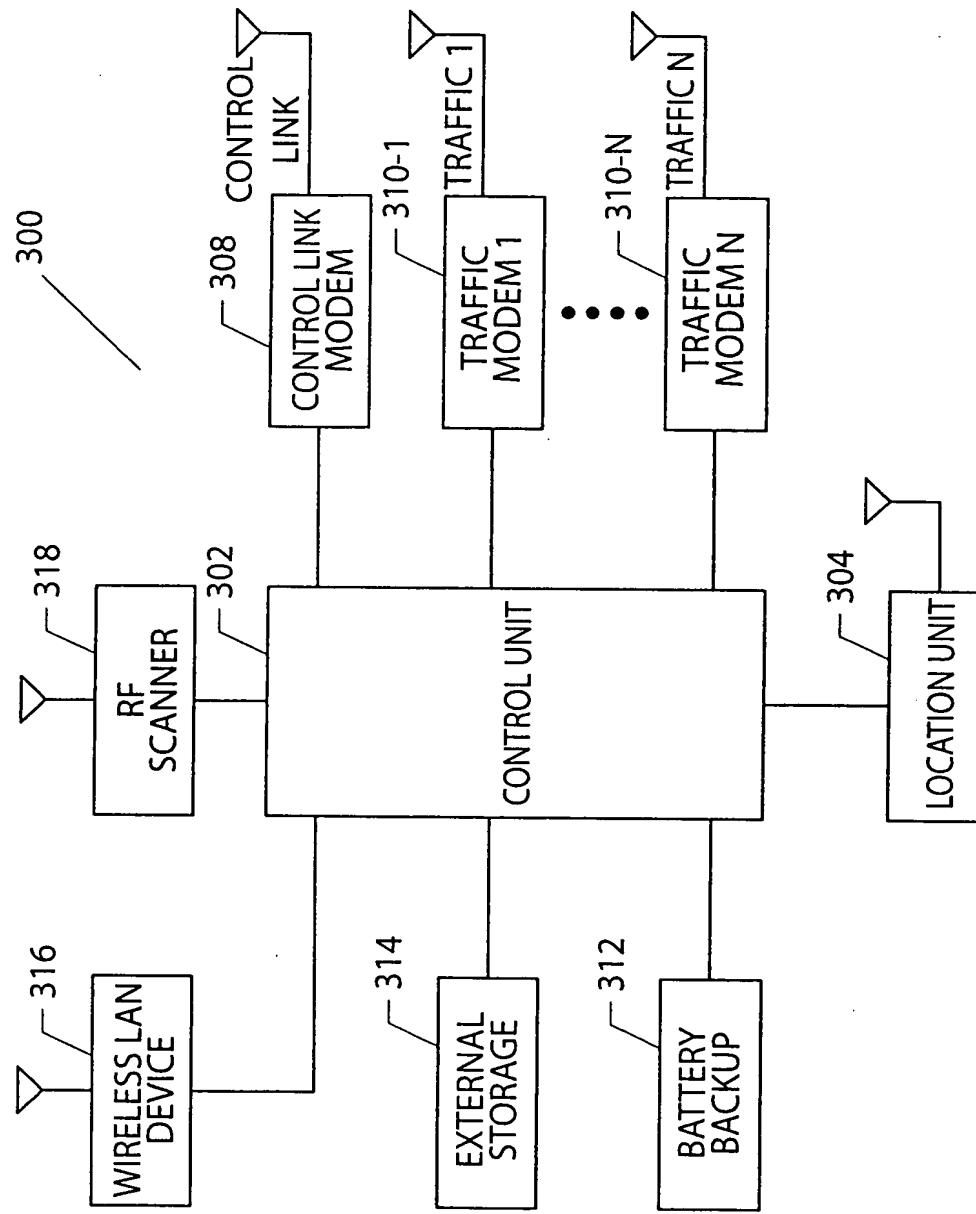


FIG. 3d

TD9020 55665350

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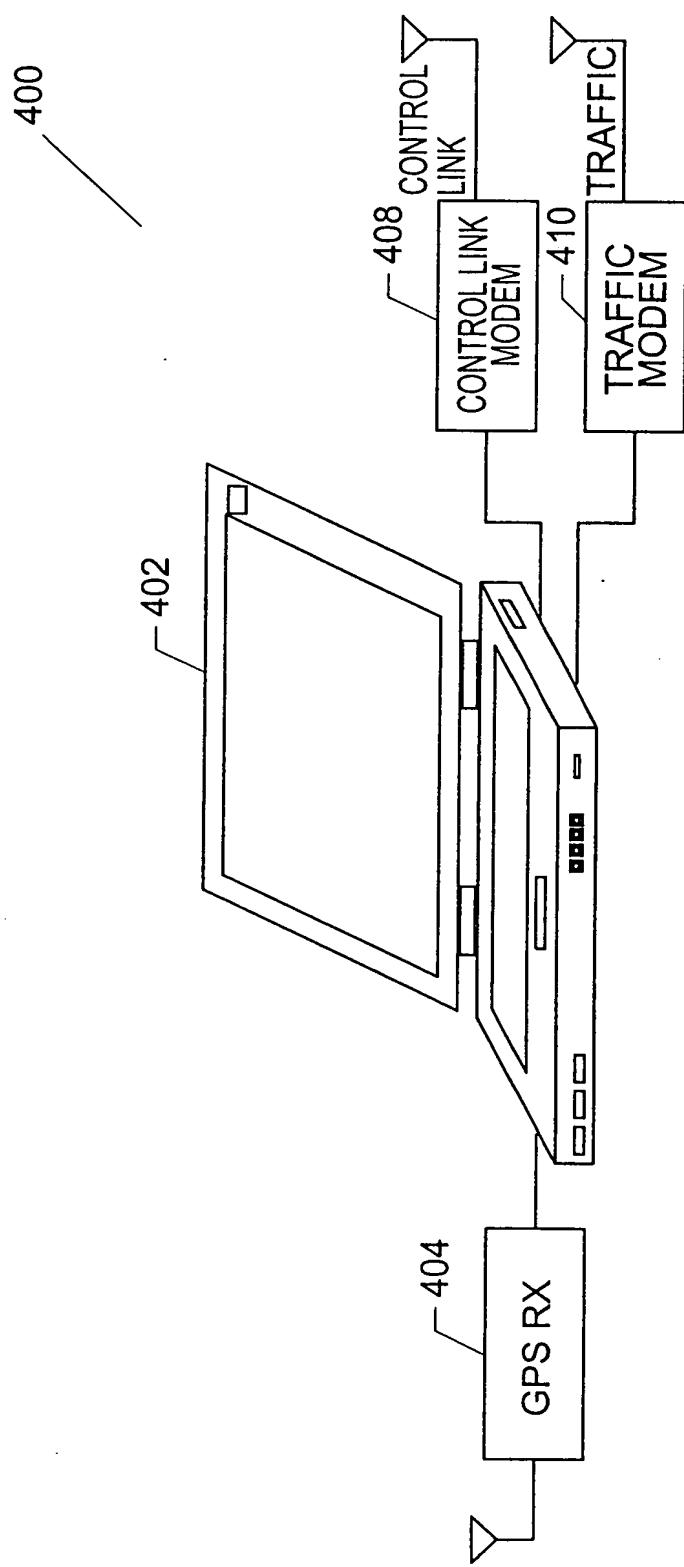


FIG. 4a

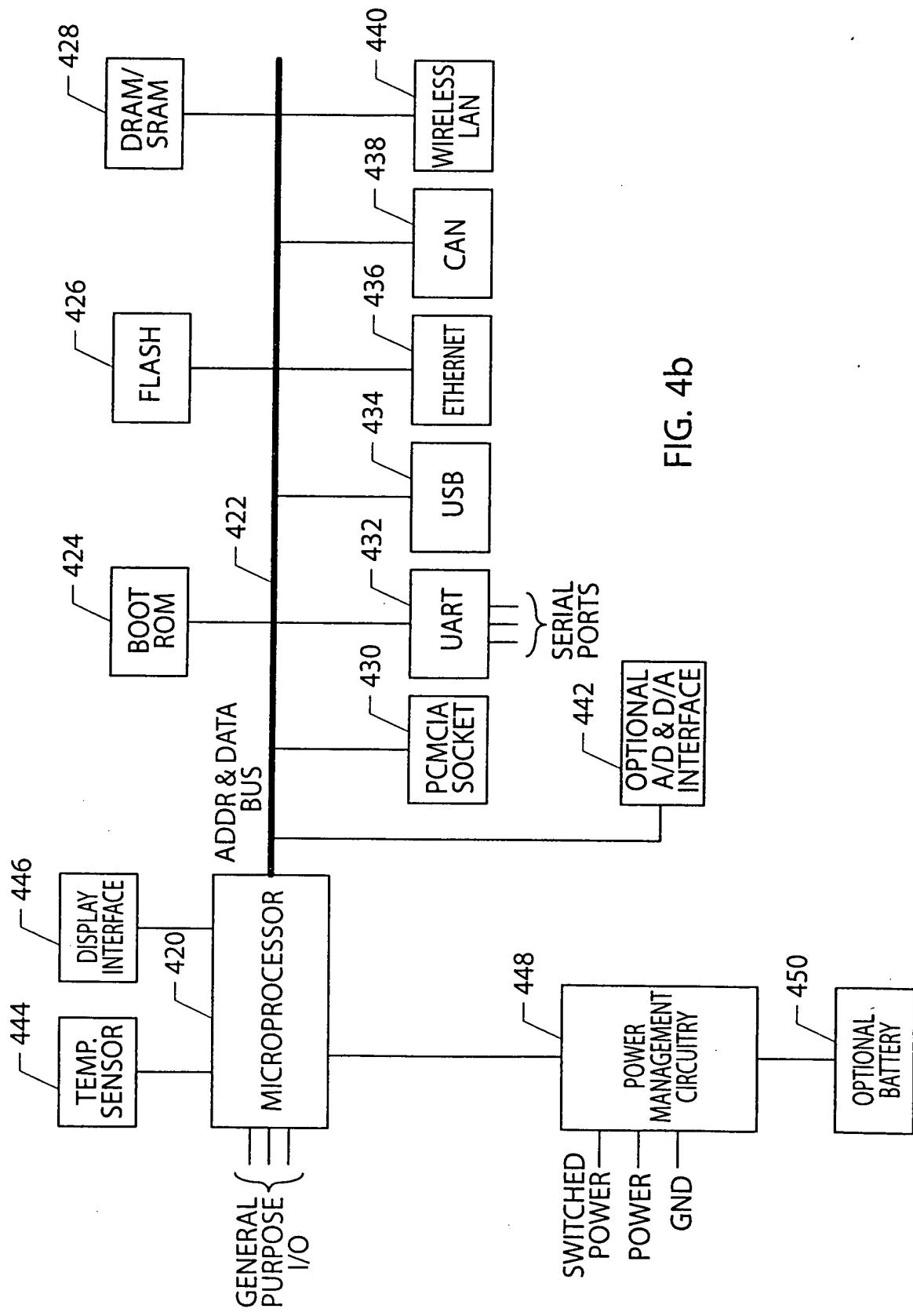


FIG. 4b

T09020 "5555555555

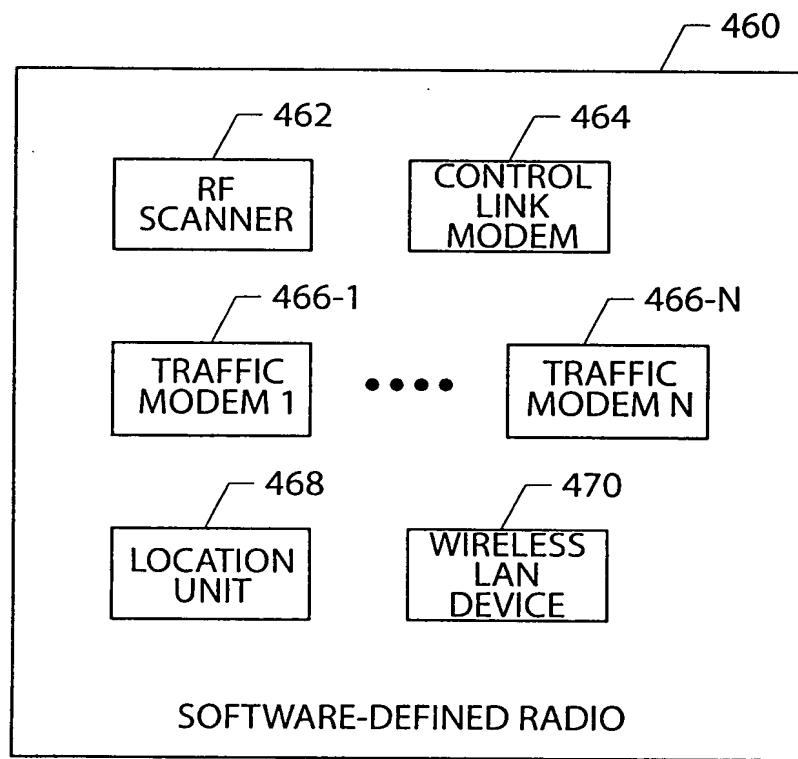


FIG. 4c

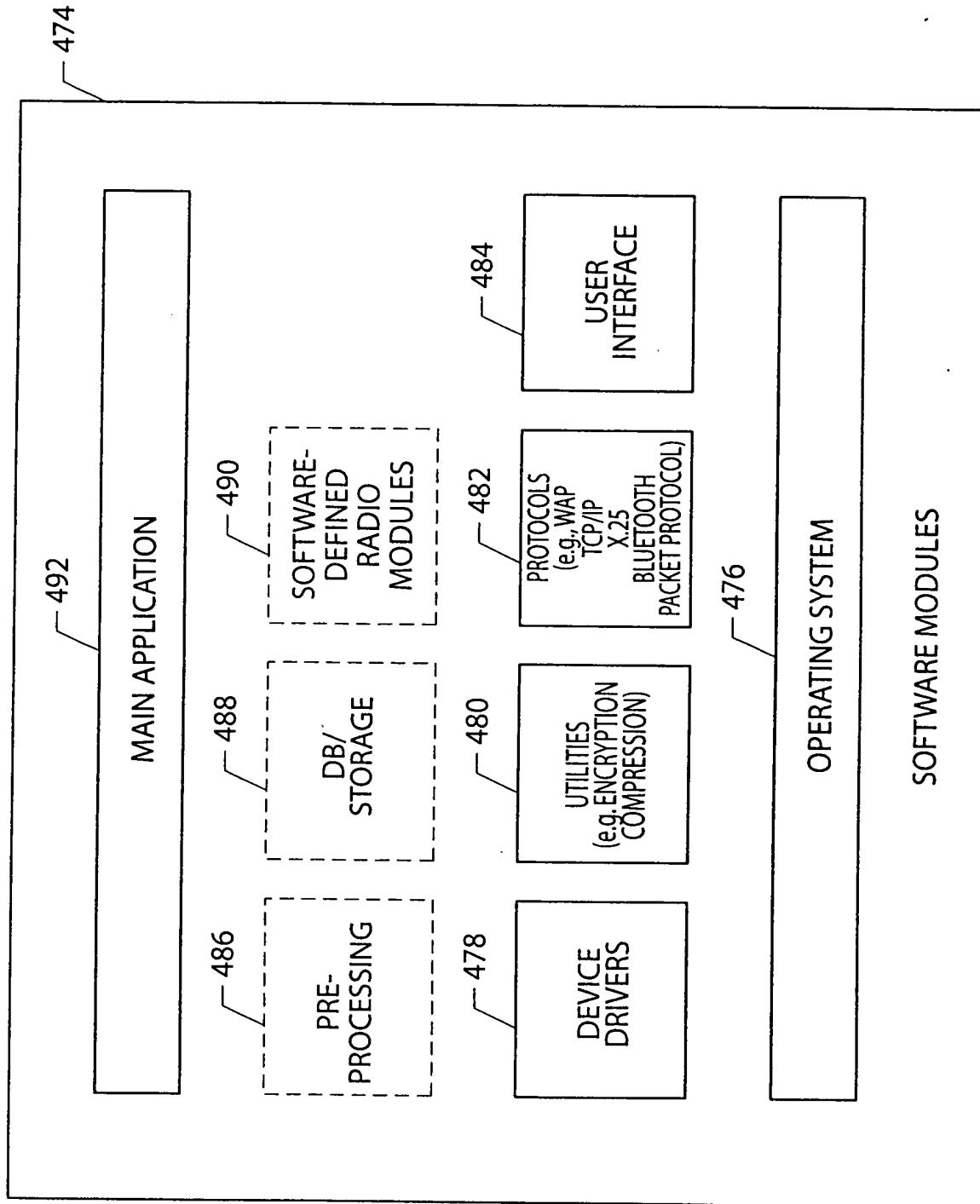


FIG. 4d

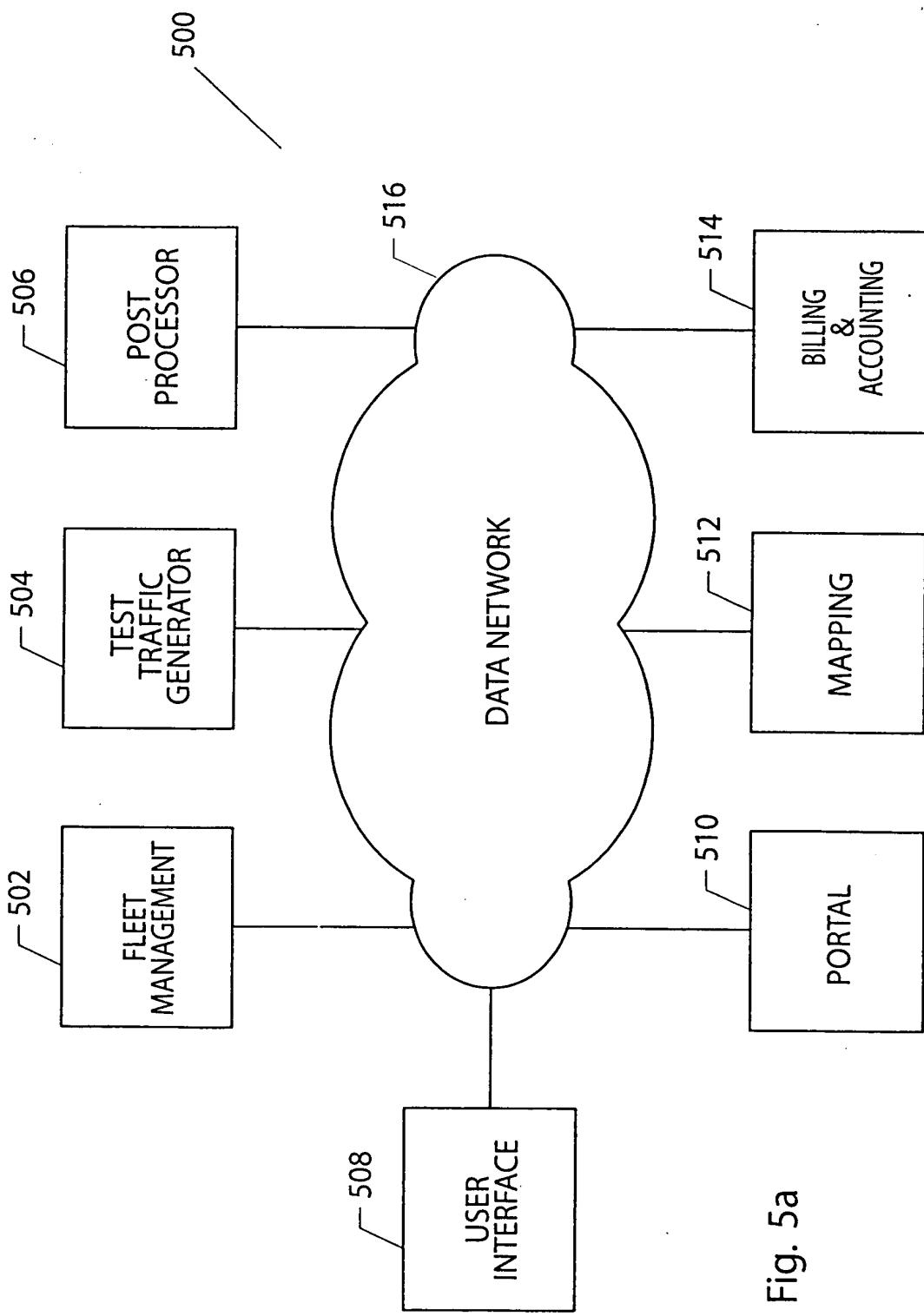
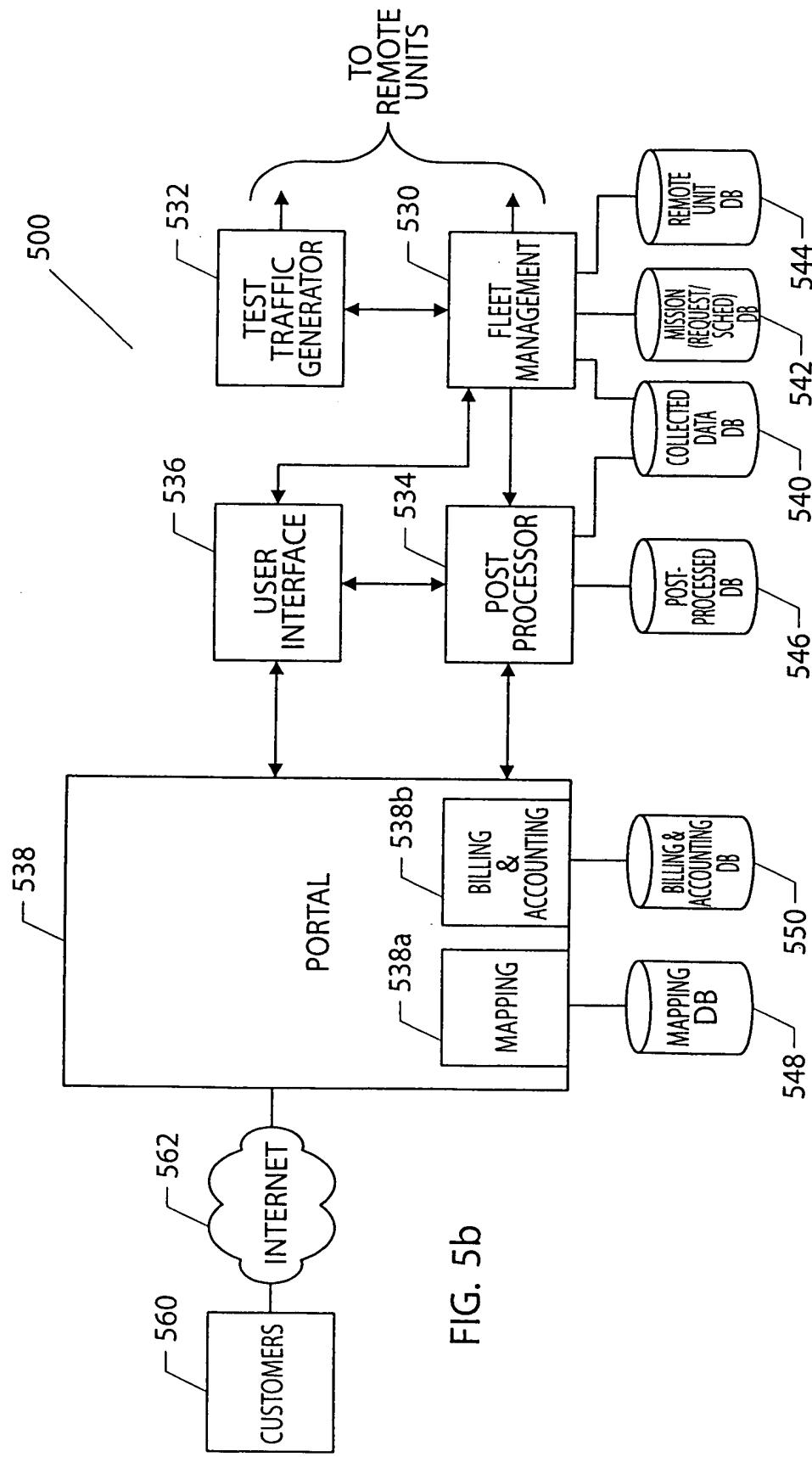


Fig. 5a



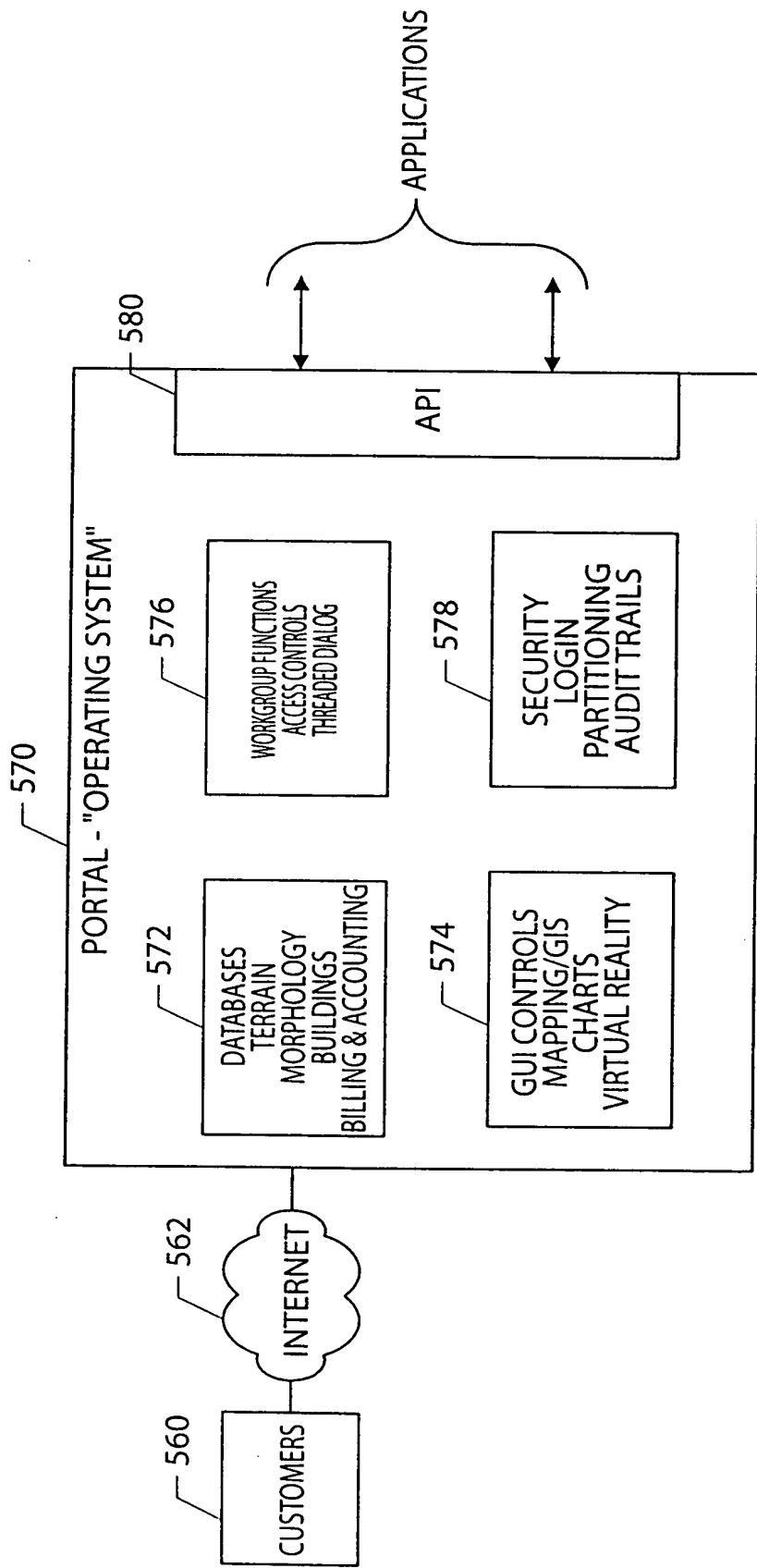


FIG. 5C

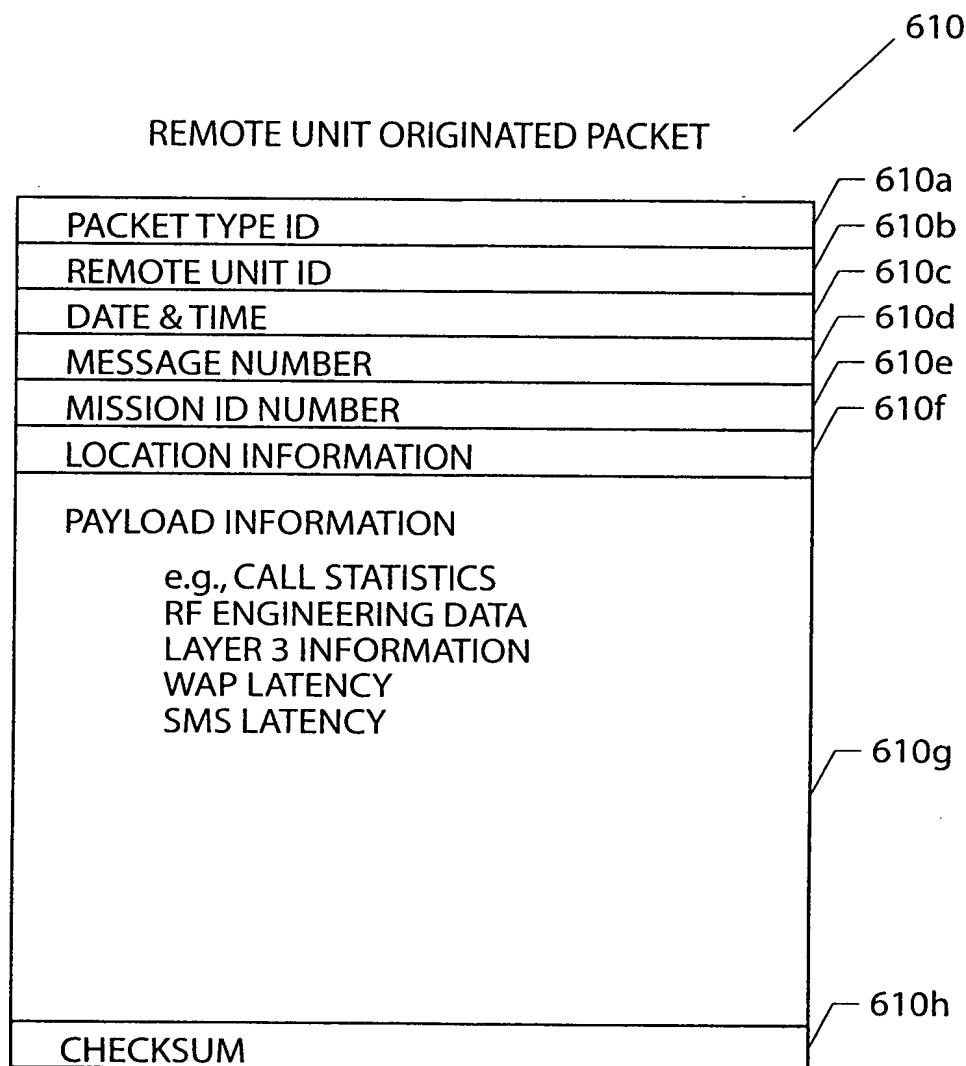


FIG. 6a

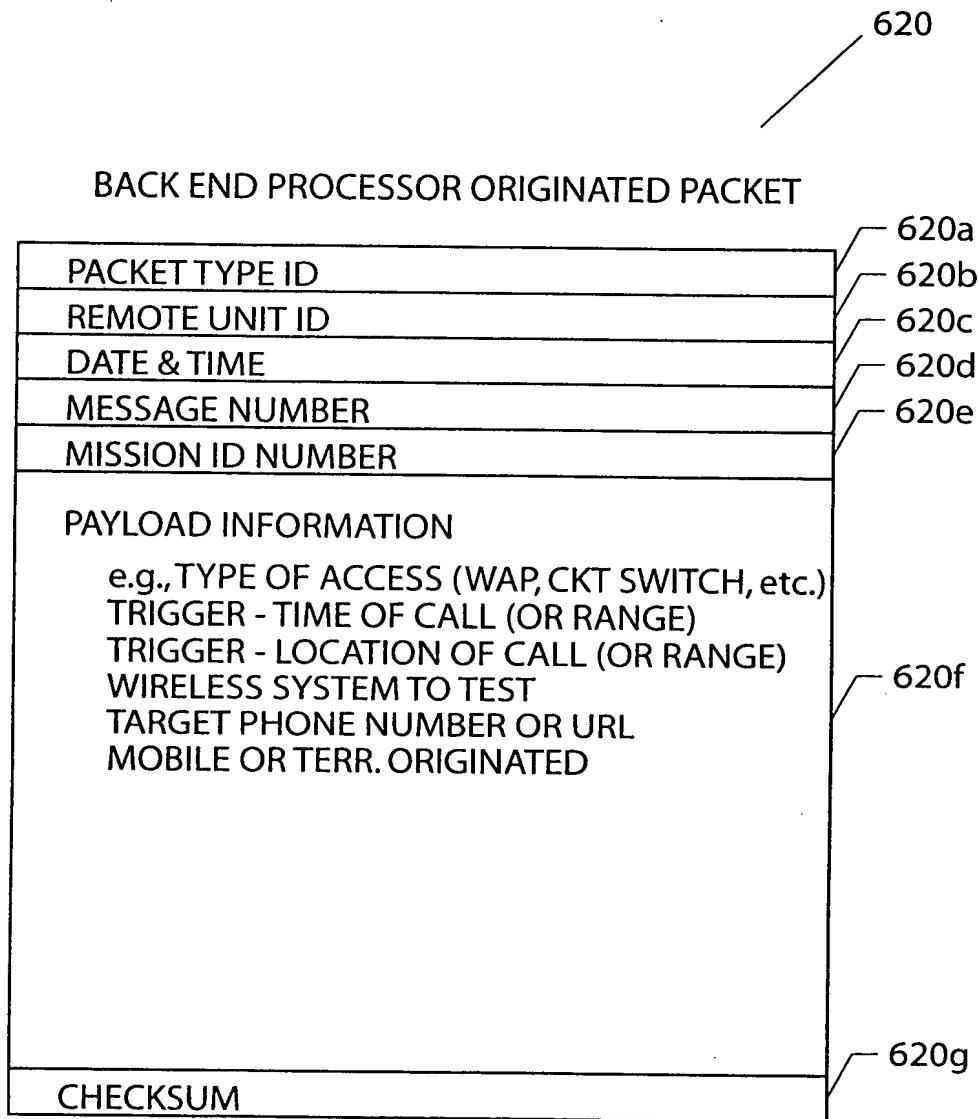


FIG. 6b

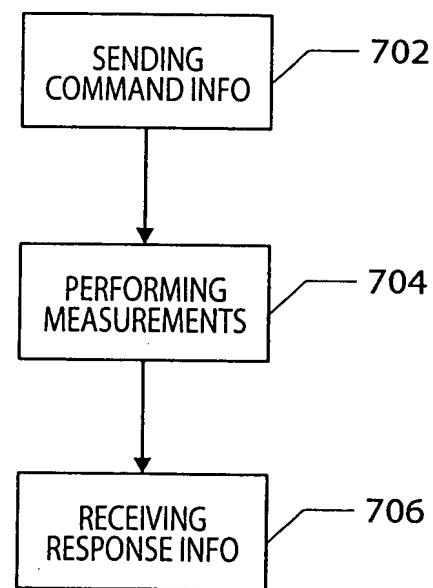


FIG. 7a

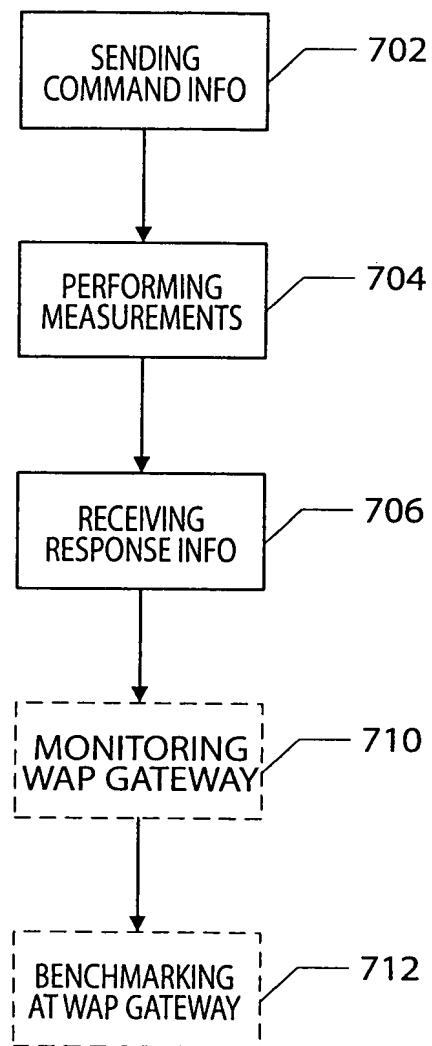


FIG. 7b

099999955 - 0720600

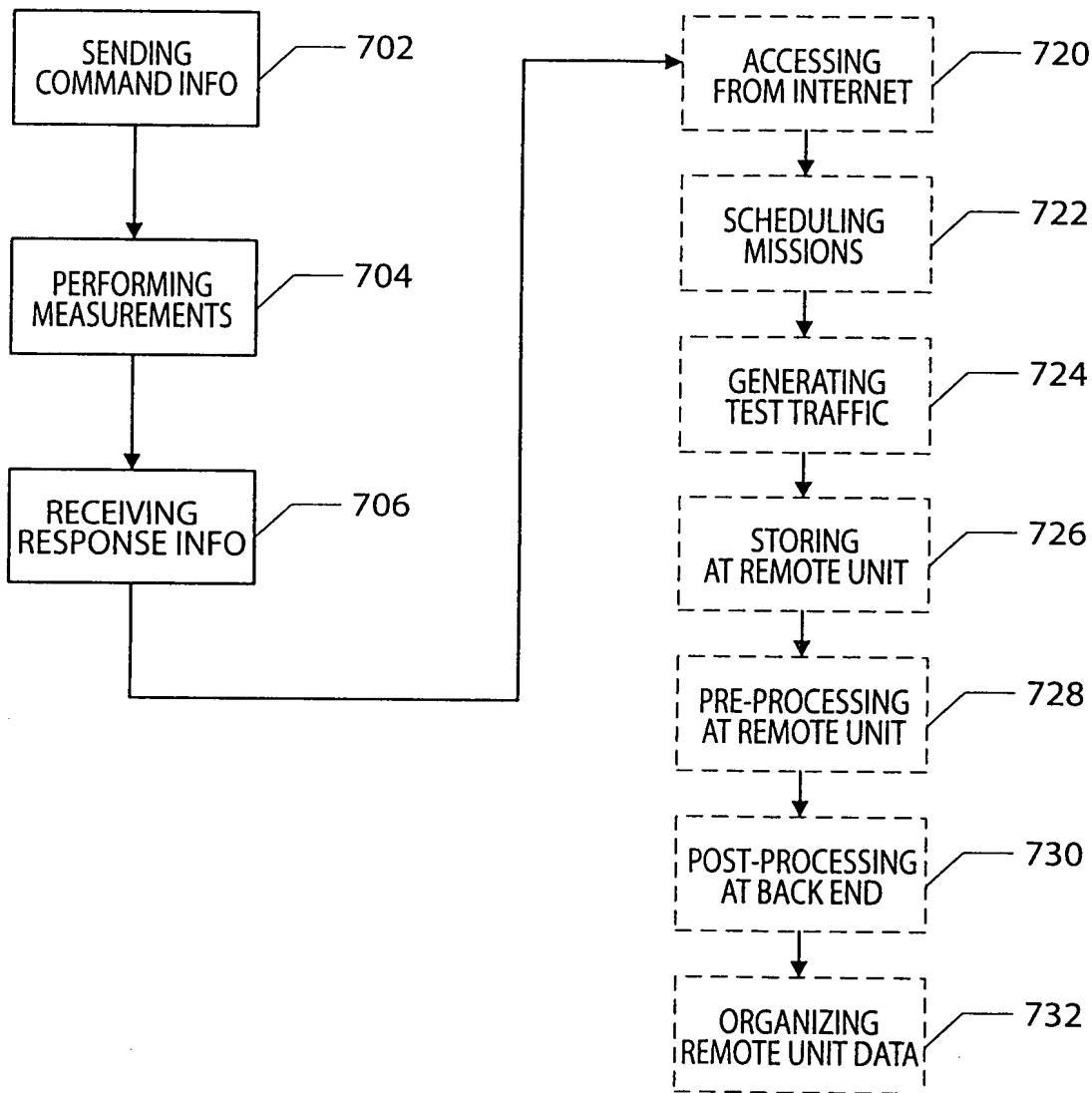
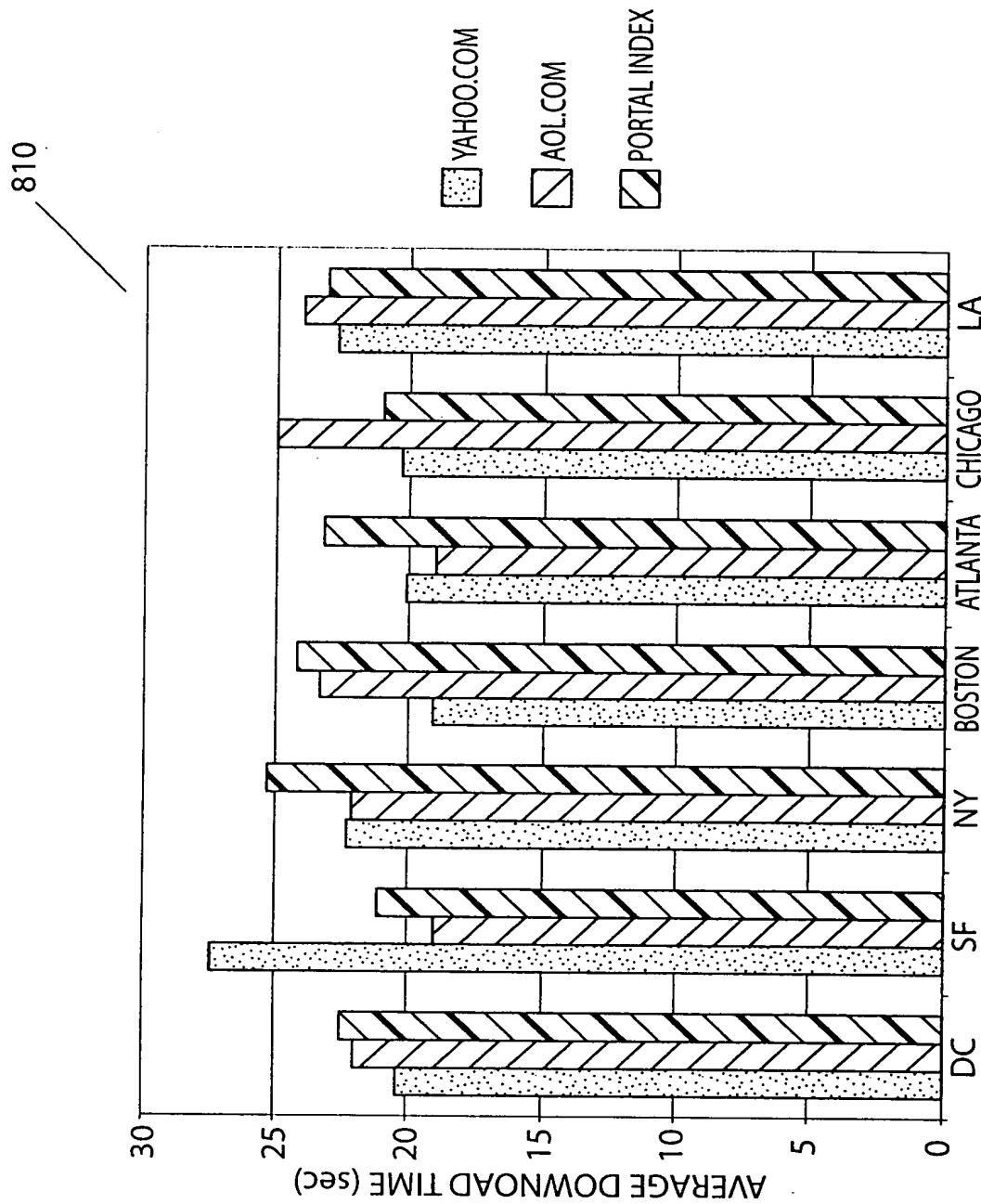


FIG. 7c

0989995555 0206011



SERVICE: COMPARE PORTALS
REPORT: DOWNLOAD TIME
BY: CITY
BY: ALL CARRIERS
FREQUENCY: 15 MINUTES
TIME: 6 AM - 12 PM
PERIOD: 03/01/00 - 03/07/00
BENCHMARK: PORTAL INDEX
AOI COM

FIG. 8a

820

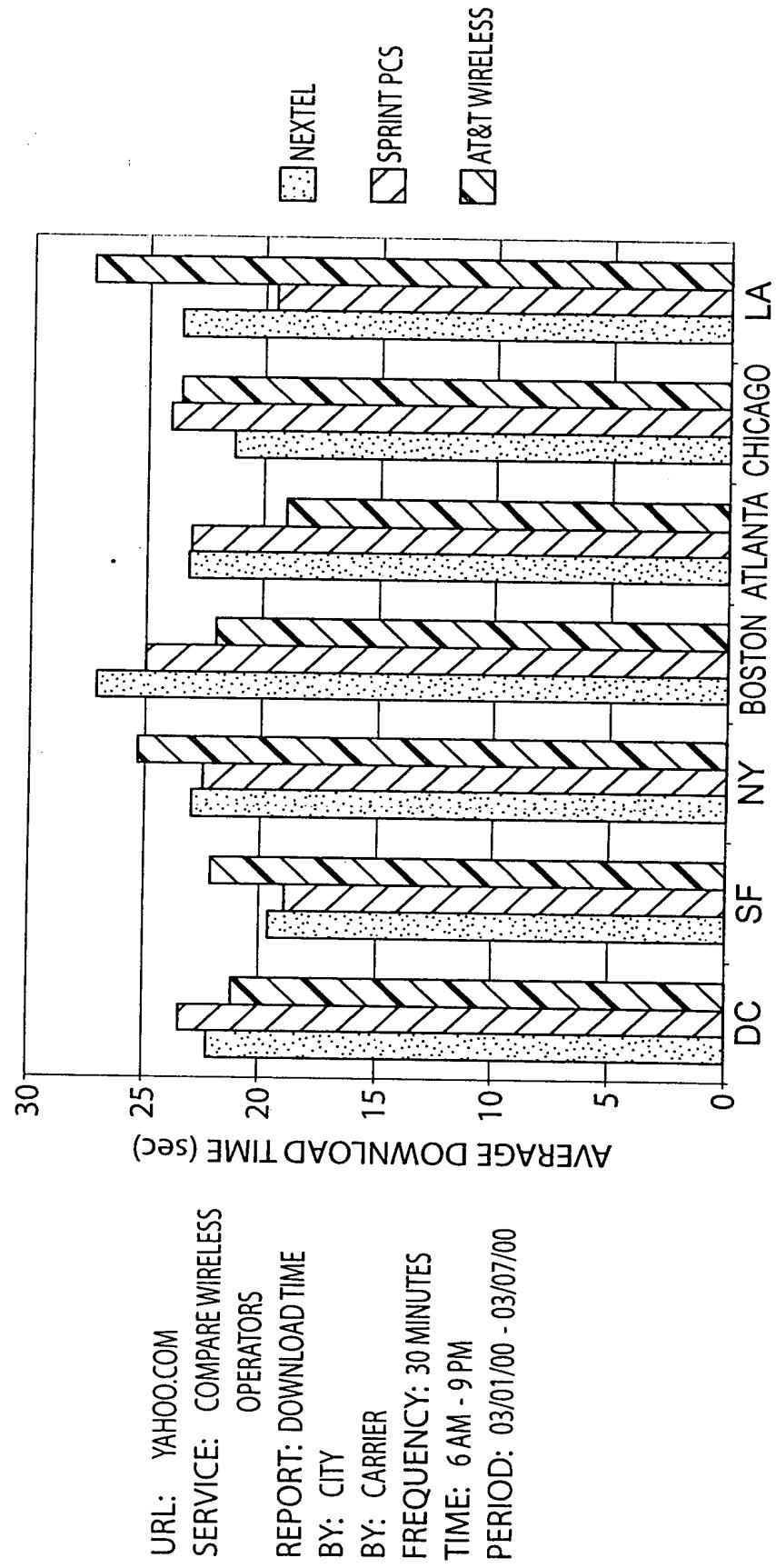


FIG. 8b

FIG. 8C 0 5566860

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830

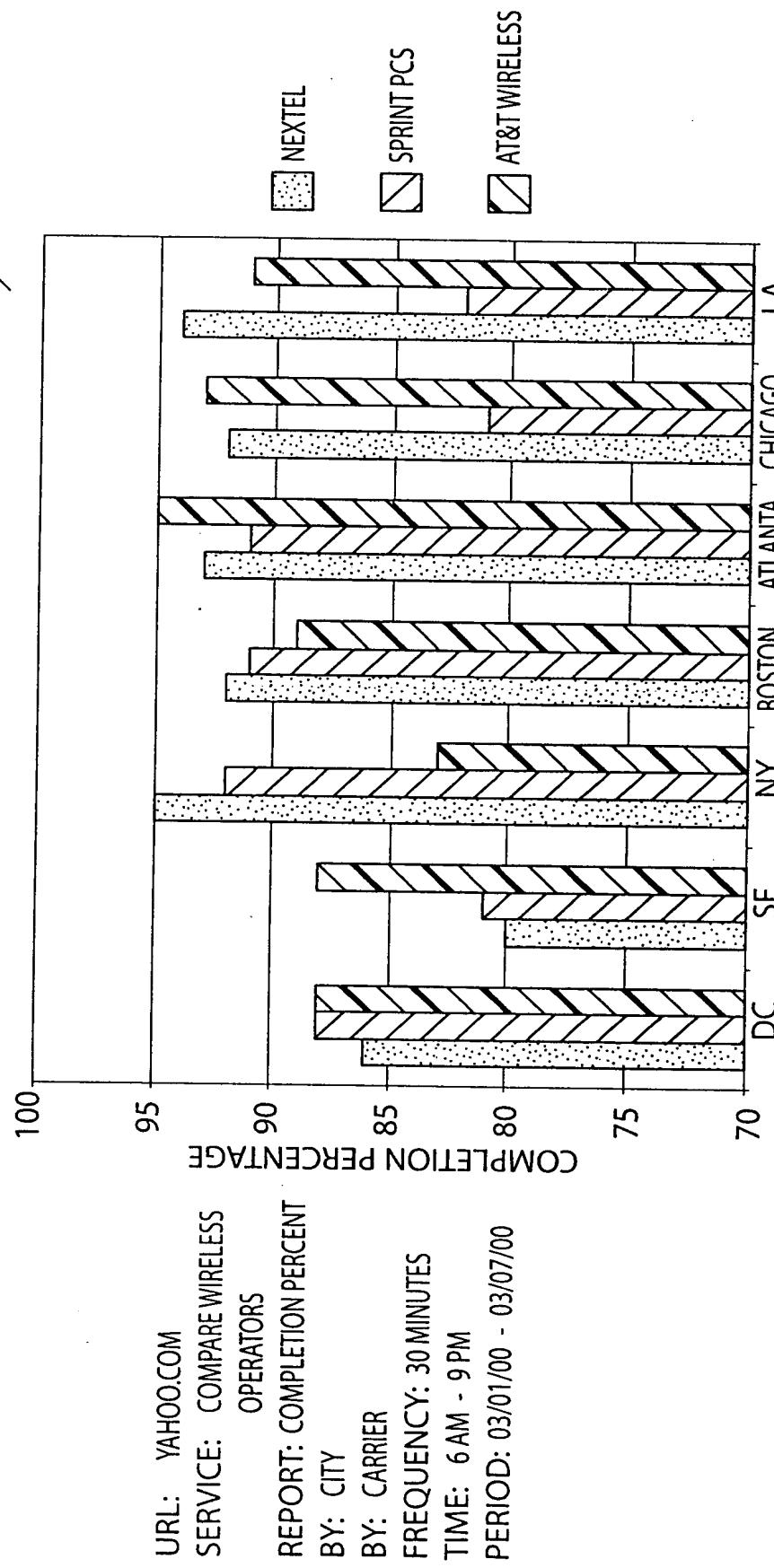


FIG. 8C

TO 90% - \$566860

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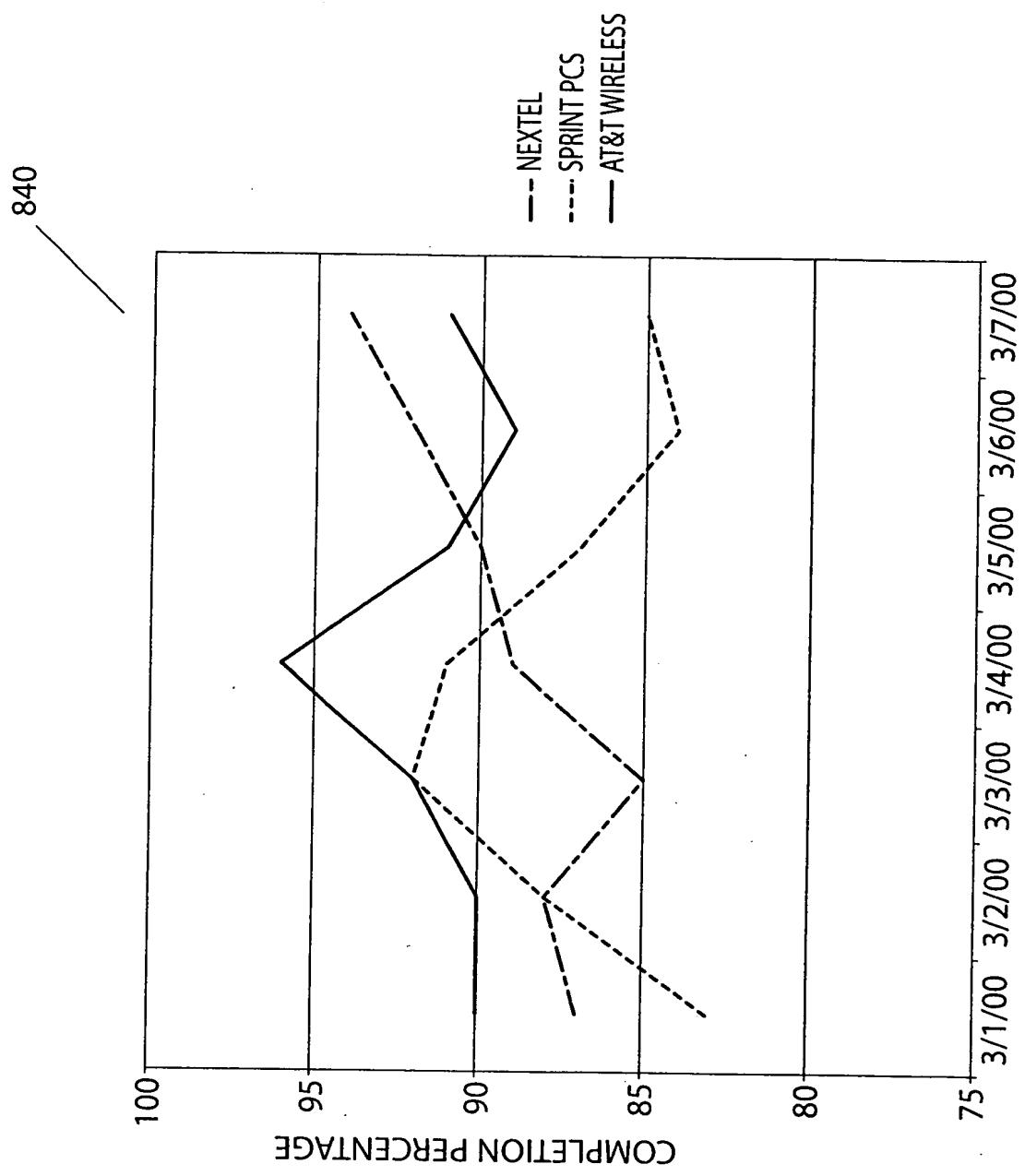


FIG. 8d

850
850
850
850
850
850
850
850
850
850

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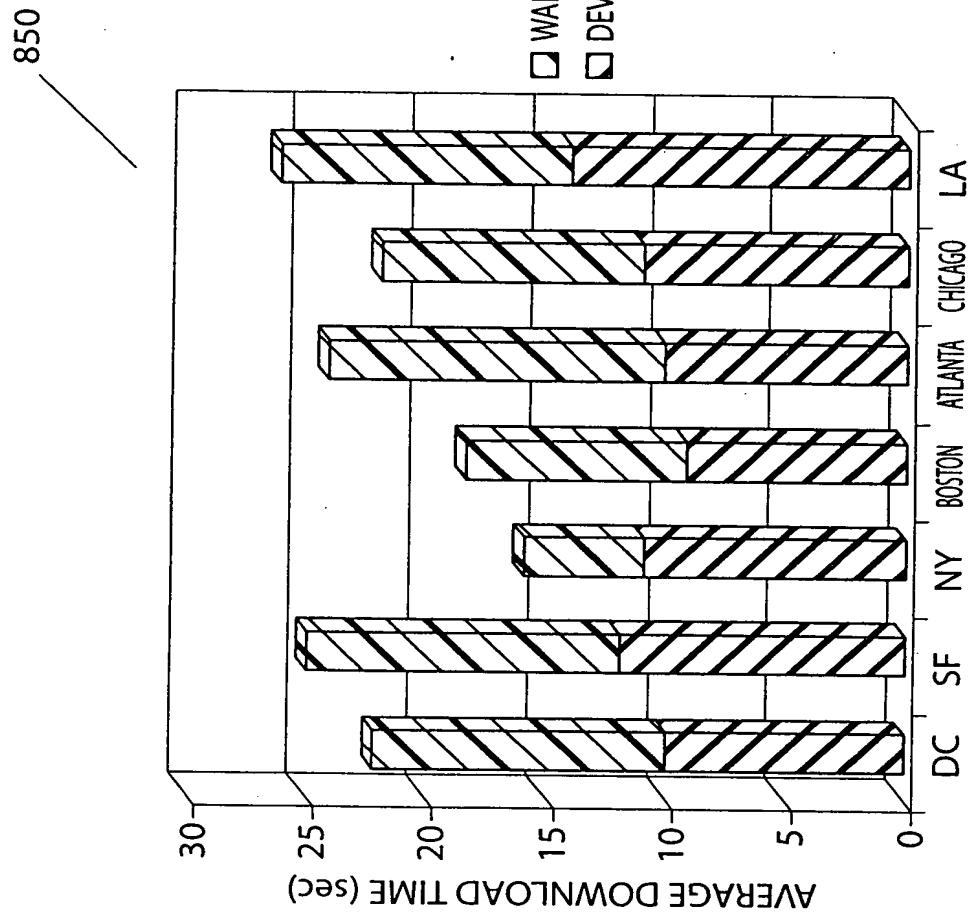


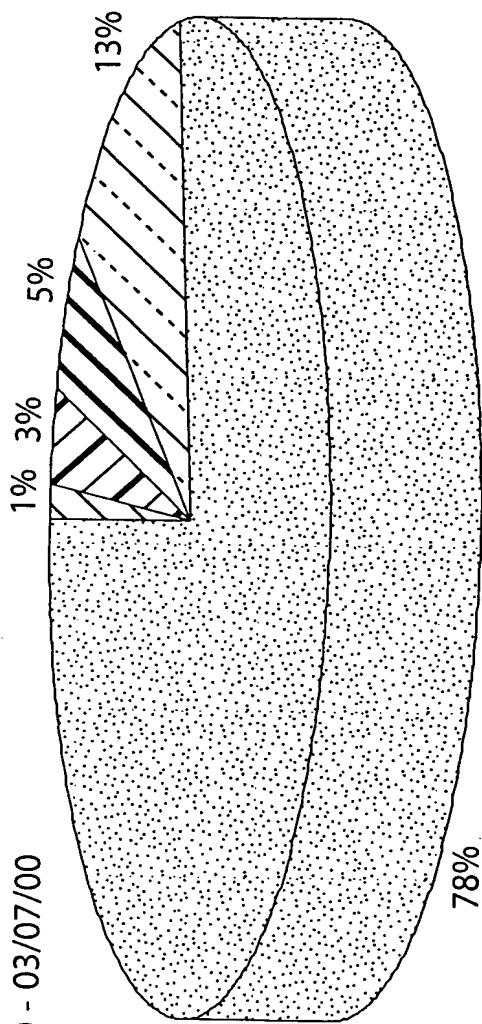
FIG. 8e

URL: YAHOO.COM
SERVICE: GATEWAY BREAKDOWN
REPORT: DOWNLOAD TIME
COMPONENTS 1
BY: CITY
CARRIER: NEXTEL
FREQUENCY: 60 MINUTES
TIME: 12 PM - 12 PM
PERIOD: 03/01/00 - 03/07/00

TO 90000 55665860

URL: YAHOO.COM
SERVICE: ERROR STATS
REPORT: ERROR REPORT
BY: ALL CITIES
CARRIER: ALL CARRIERS
FREQUENCY: 60 MINUTES
TIME: 12 PM - 12 PM
PERIOD: 03/01/00 - 03/07/00

860



DNS LOOKUP FAILURE
 CONNECTION TIMEOUT
 PAGE TIMEOUT
 CONTENT ERRORS
 SUCCESSES

FIG. 8f

T 0 9 0 A 2 0 " 5 5 6 6 6 6 6 0

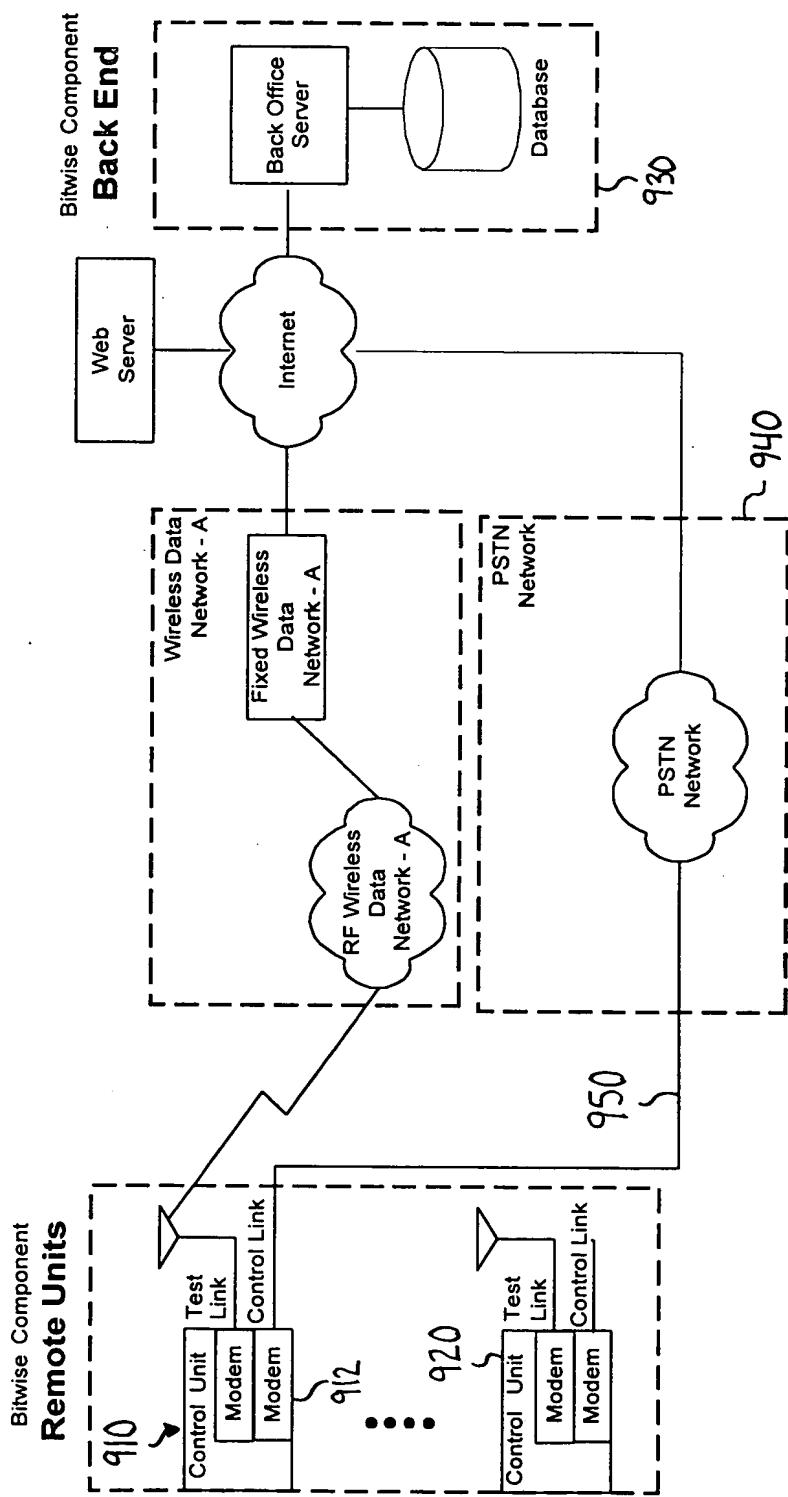


FIG. 9

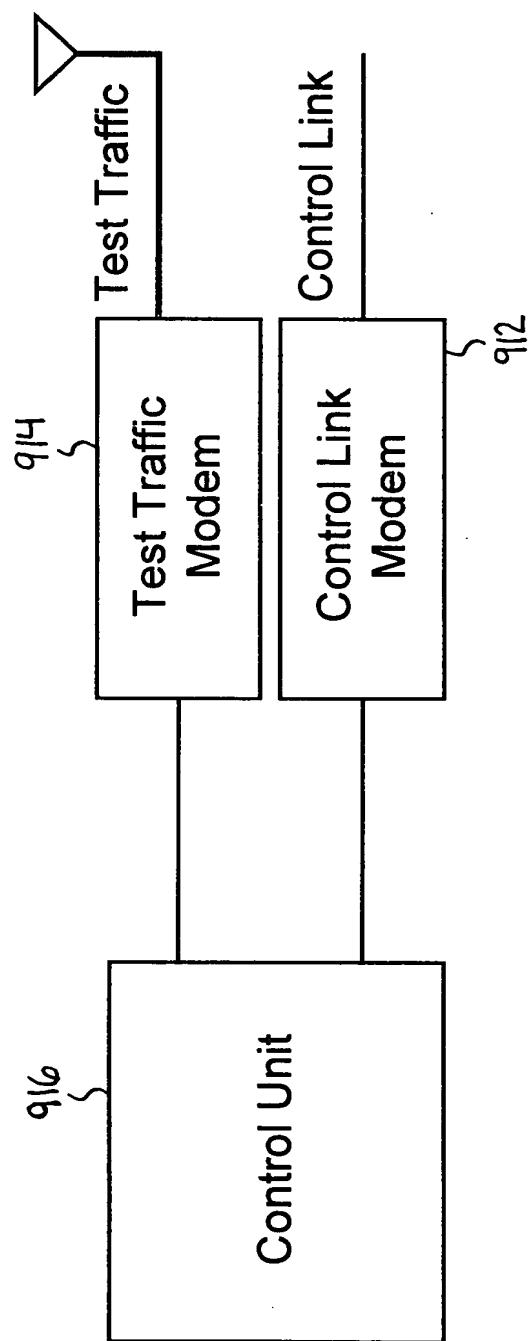


FIG. 10

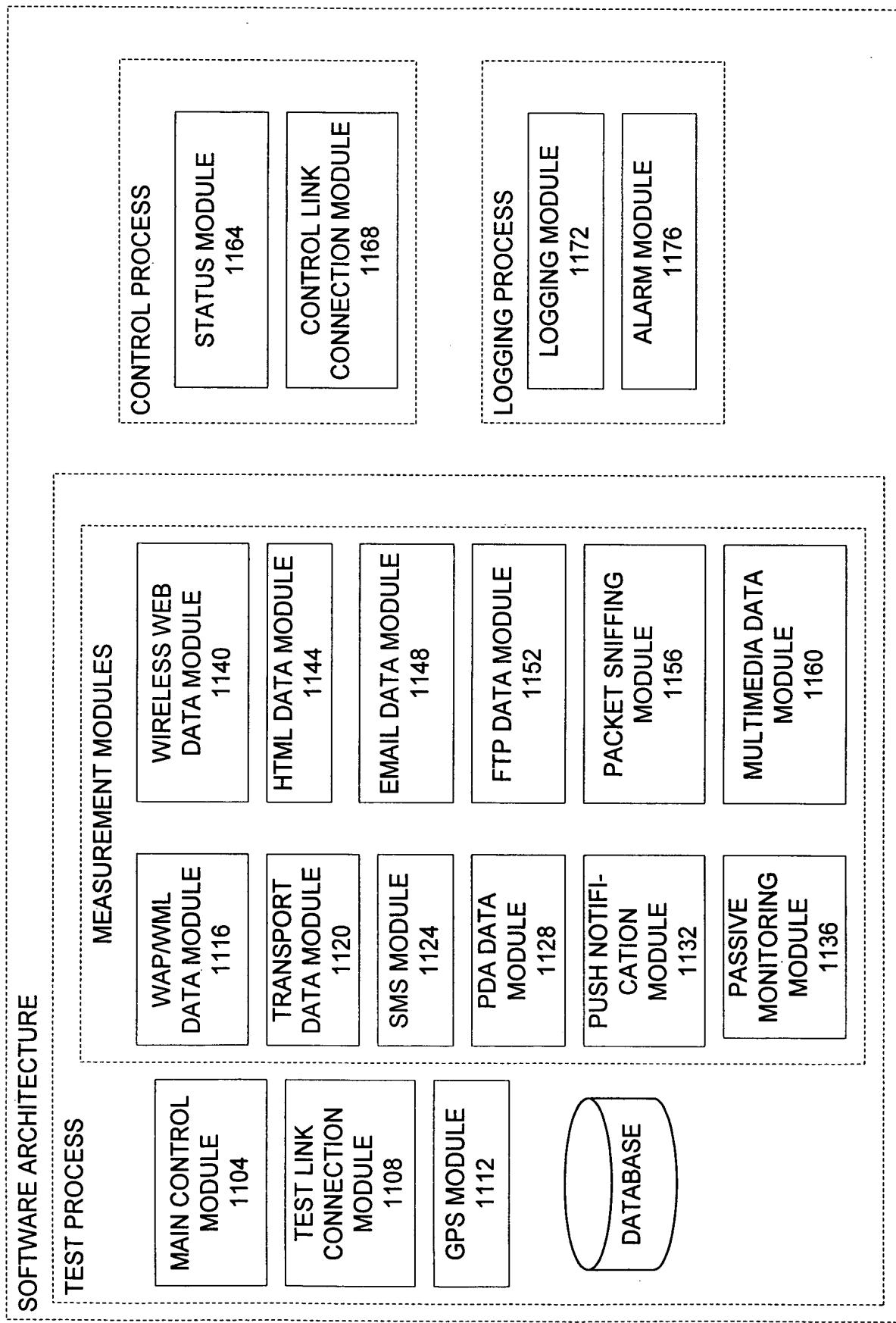


FIG. 11

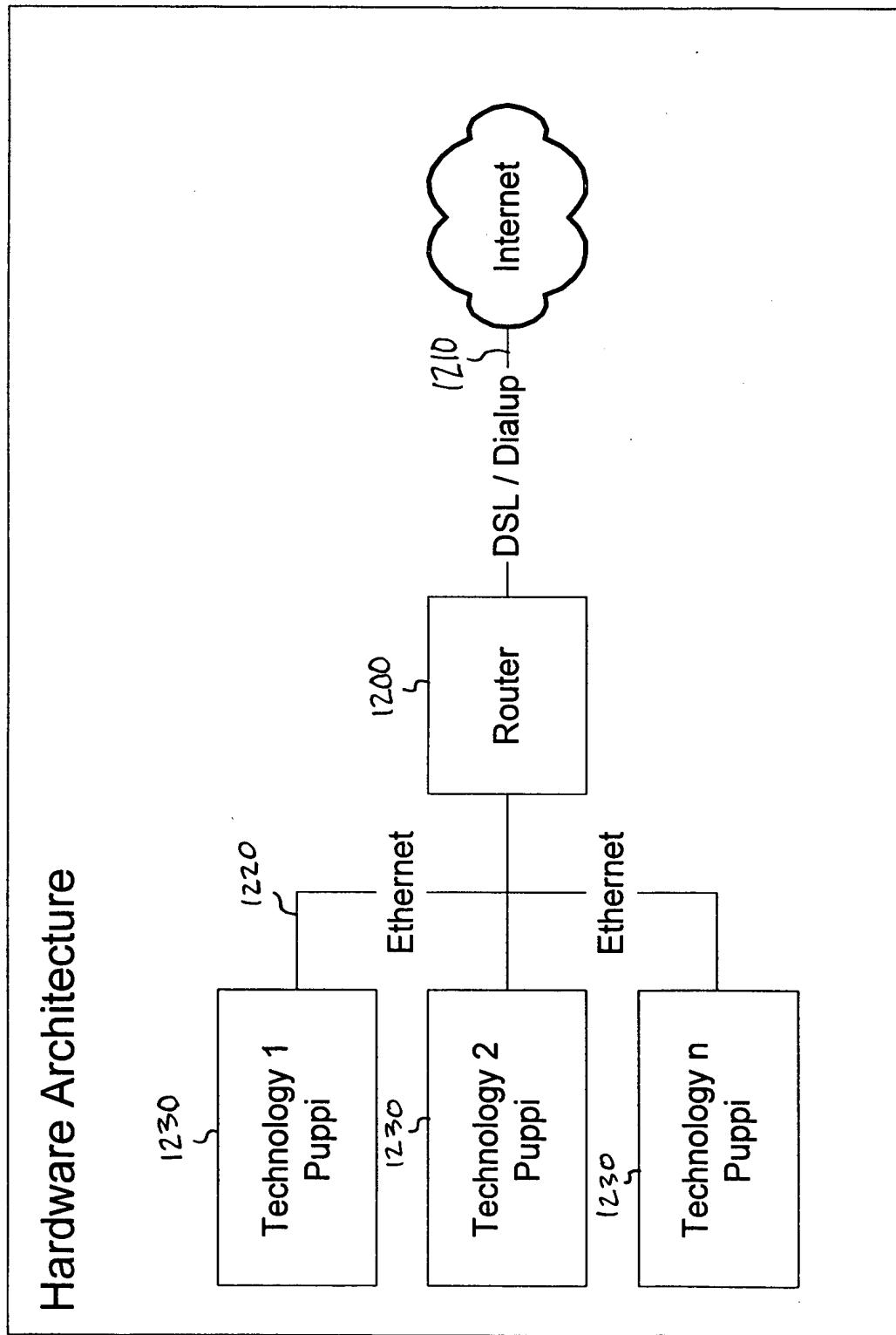


FIG. 12

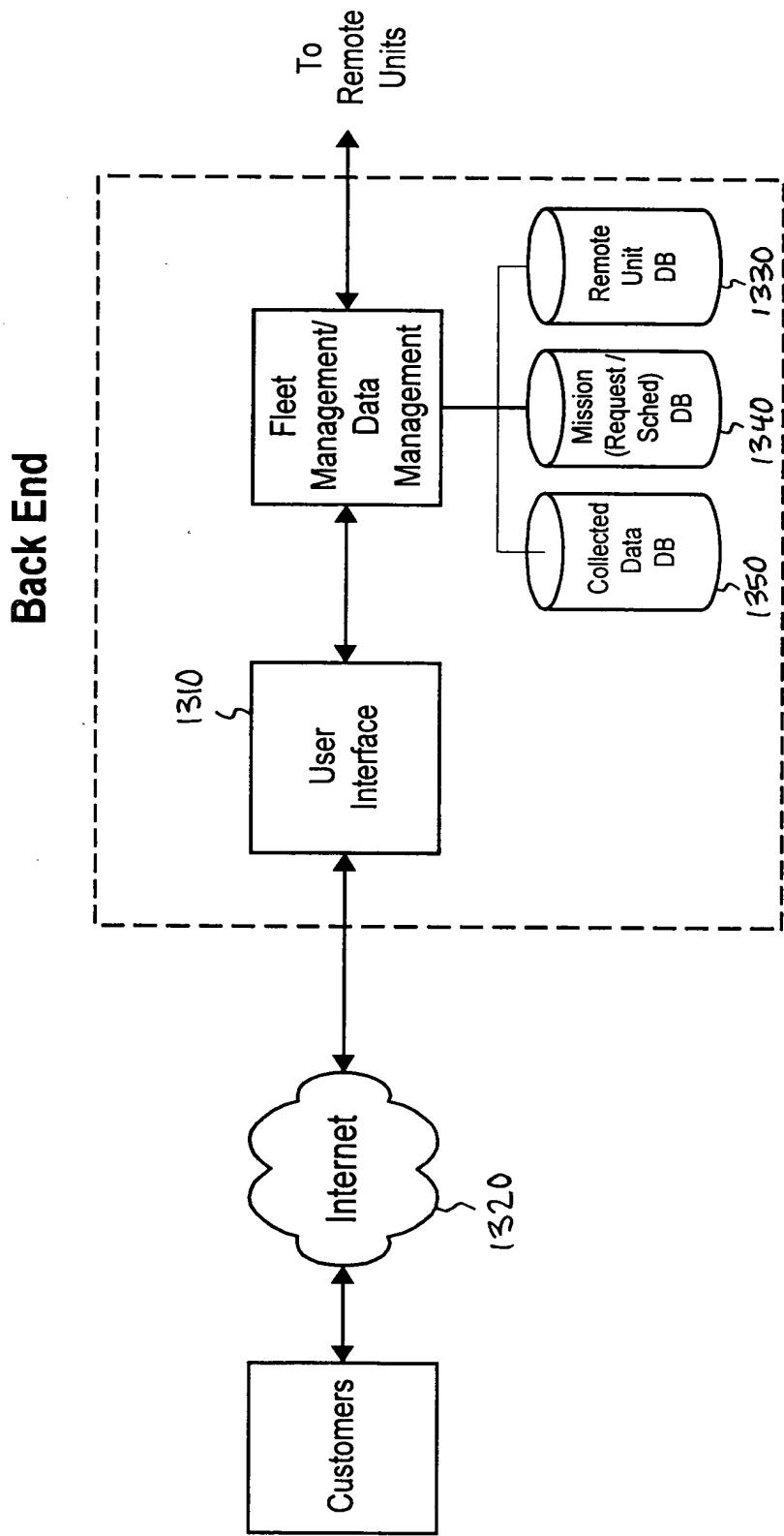


FIG. 13

Software Architecture

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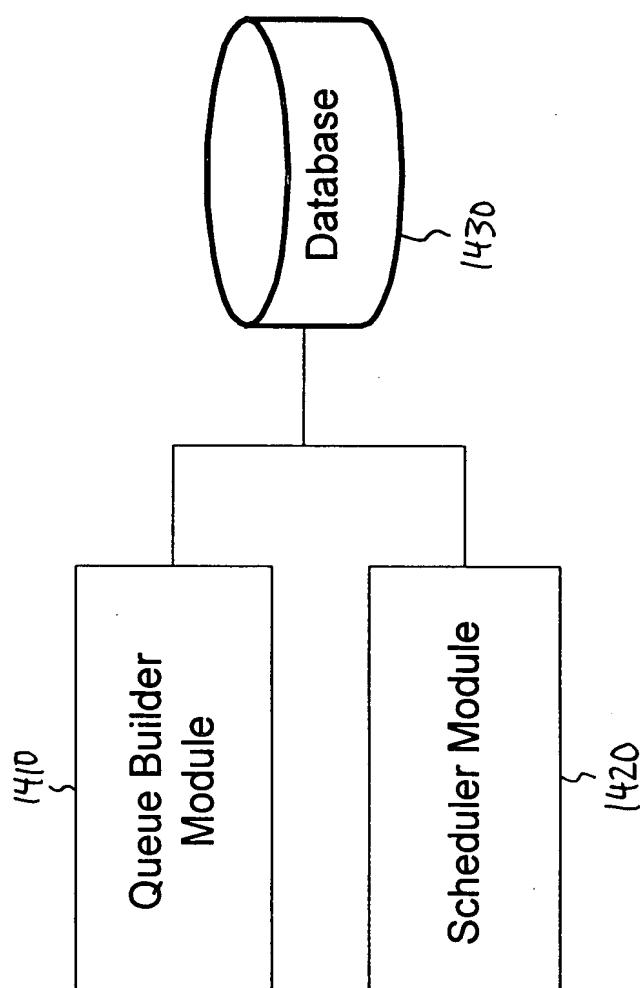


FIG. 14

Hardware Architecture

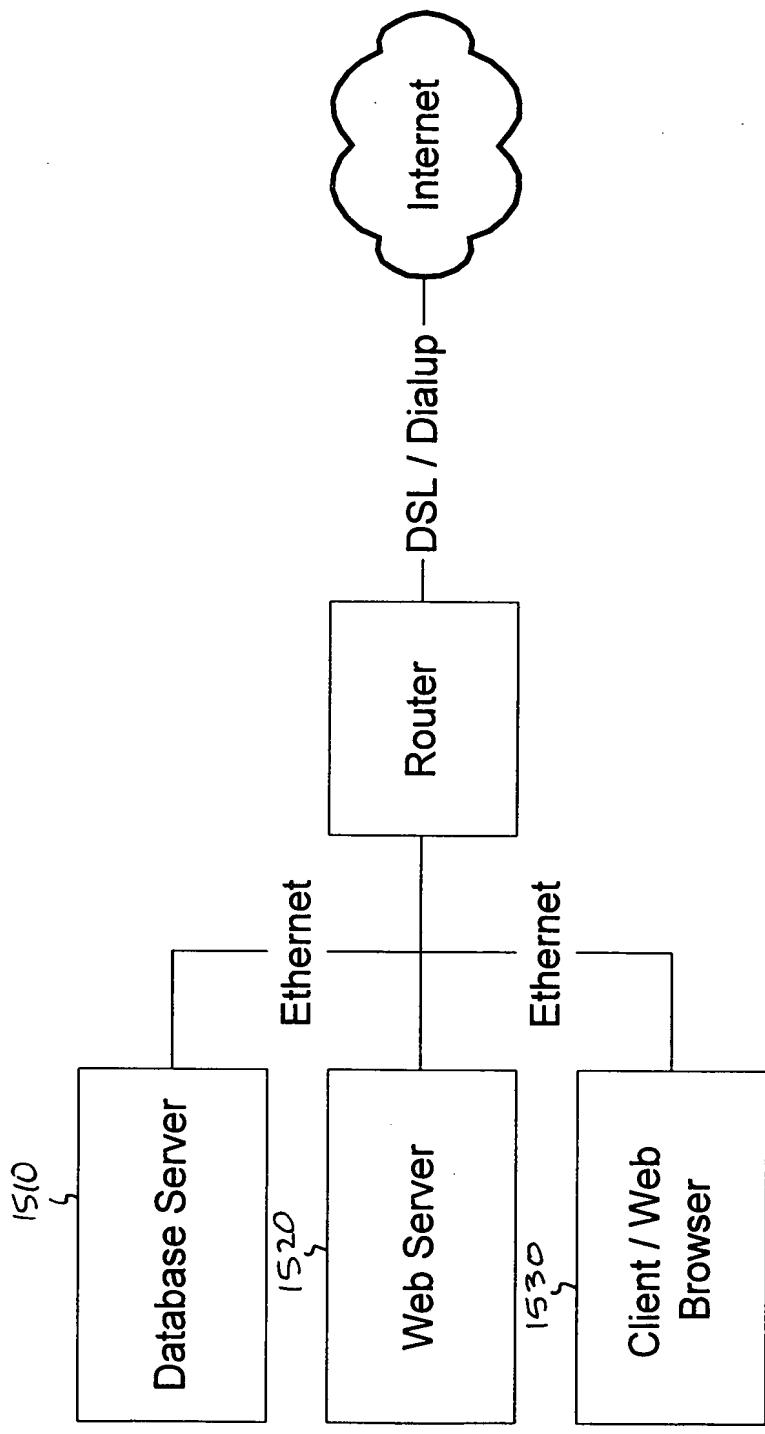


FIG. 15